

DATABÁZE ESPACENET

Martina Machátová

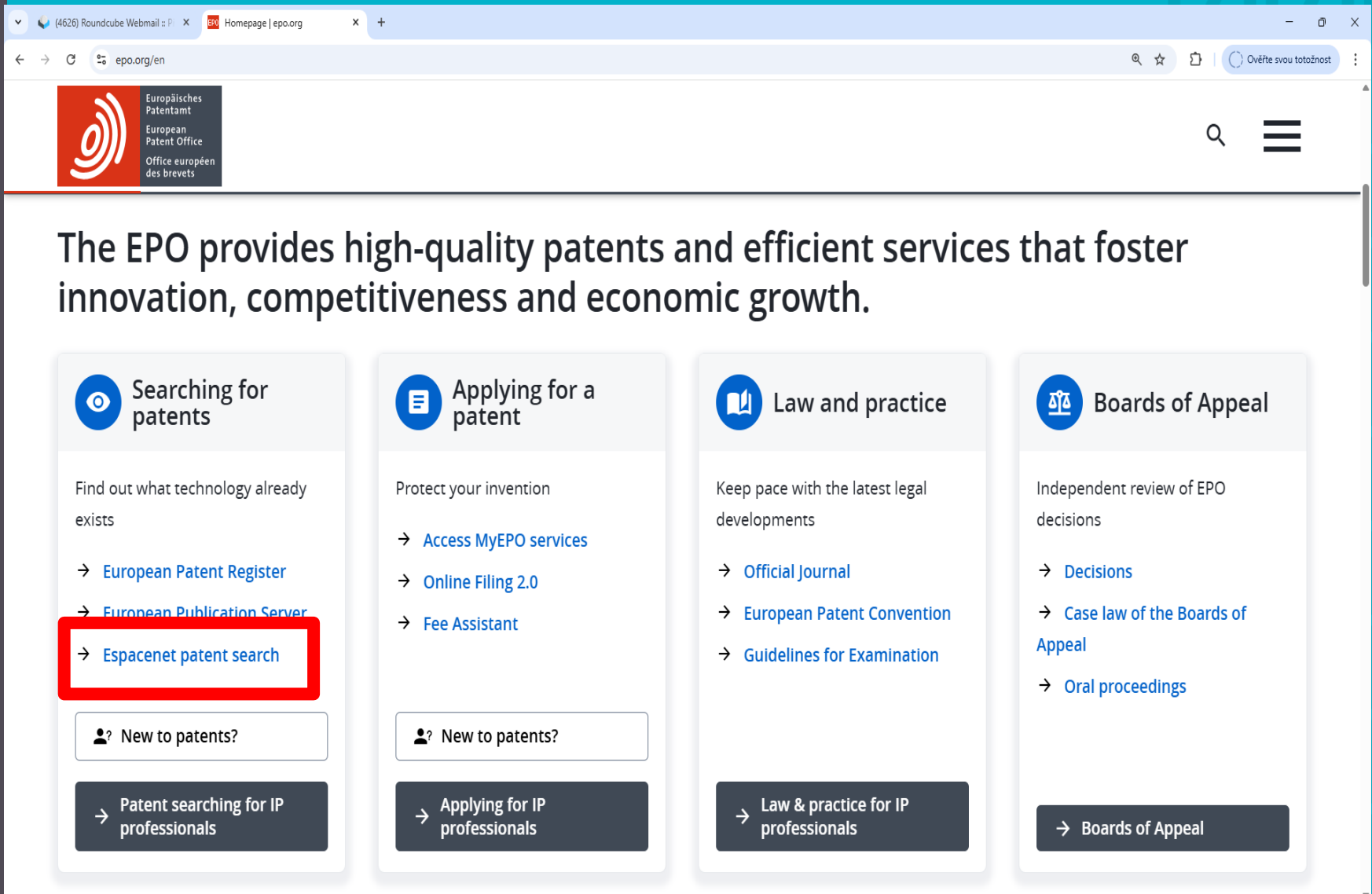
Poslední aktualizace: 30. ledna 2026

Základní informace

- <https://worldwide.espacenet.com/>
- Databáze obsahuje více než 160 milionů patentových dokumentů z řady zemí.
- Největší volně přístupná patentová databáze.
- Buduje ji Evropský patentový úřad.
<https://www.epo.org/>

Evropský patentový úřad

<https://www.epo.org/>



The screenshot shows the homepage of the European Patent Office (EPO) website. The browser's address bar displays 'epo.org/en'. The header features the EPO logo and navigation icons. The main content area is titled 'The EPO provides high-quality patents and efficient services that foster innovation, competitiveness and economic growth.' Below this, there are four columns of services, each with a title, a brief description, a list of links, a 'New to patents?' button, and a 'Patent searching for IP professionals' button. The 'Espacenet patent search' link in the first column is highlighted with a red box.

Europäisches Patentamt
European Patent Office
Office européen des brevets

The EPO provides high-quality patents and efficient services that foster innovation, competitiveness and economic growth.

- Searching for patents**
Find out what technology already exists
 - [European Patent Register](#)
 - [European Publication Server](#)
 - [Espacenet patent search](#)

👤 New to patents?

→ Patent searching for IP professionals
- Applying for a patent**
Protect your invention
 - [Access MyEPO services](#)
 - [Online Filing 2.0](#)
 - [Fee Assistant](#)

👤 New to patents?

→ Applying for IP professionals
- Law and practice**
Keep pace with the latest legal developments
 - [Official Journal](#)
 - [European Patent Convention](#)
 - [Guidelines for Examination](#)

→ Law & practice for IP professionals
- Boards of Appeal**
Independent review of EPO decisions
 - [Decisions](#)
 - [Case law of the Boards of Appeal](#)
 - [Oral proceedings](#)

→ Boards of Appeal

Instruktažní návody

Kapesní průvodce v angličtině:

[http://documents.epo.org/projects/babylon/eponet.nsf/0/8C12F50E07515DBEC12581B00050BFDA/\\$File/espacenet-pocket-guide_en.pdf](http://documents.epo.org/projects/babylon/eponet.nsf/0/8C12F50E07515DBEC12581B00050BFDA/$File/espacenet-pocket-guide_en.pdf)

Nahrávky z instruktážních webinářů
v angličtině:

Úvod do Espacenetu (únor 2021):

<https://e-courses.epo.org/mod/streaming/view.php?id=9277>

Pokročilé funkce Espacenetu (únor 2021):

<https://e-courses.epo.org/mod/streaming/view.php?id=9278>

Pomůcky

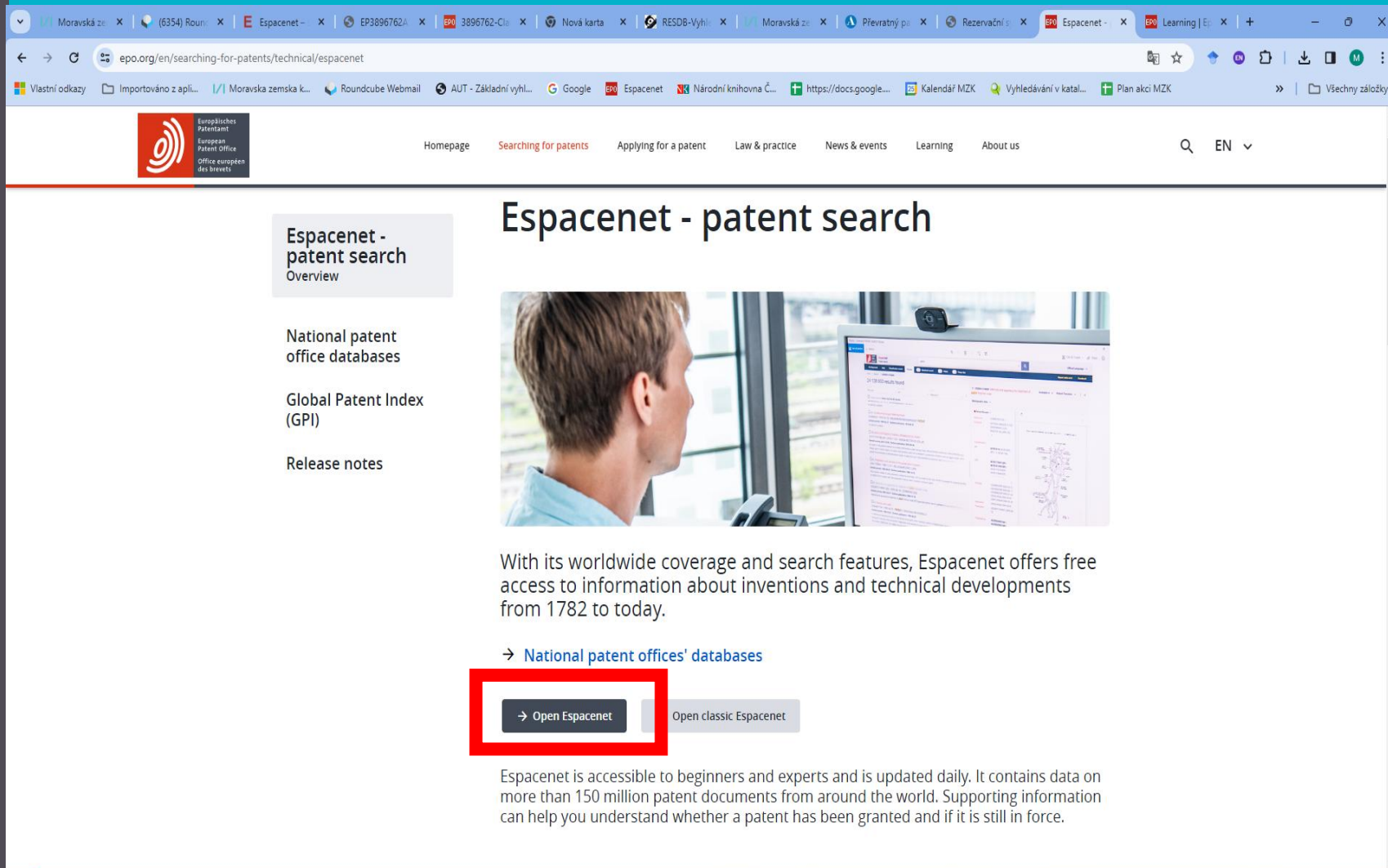
Instruktažní video v angličtině s českými titulky:

<https://www.youtube.com/watch?v=KLxnB5dqP70>

Jestliže české titulky nenaskočí automaticky, lze v nastavení videa vybrat „titulky“ a pak „čeština“.

Informace o databázi

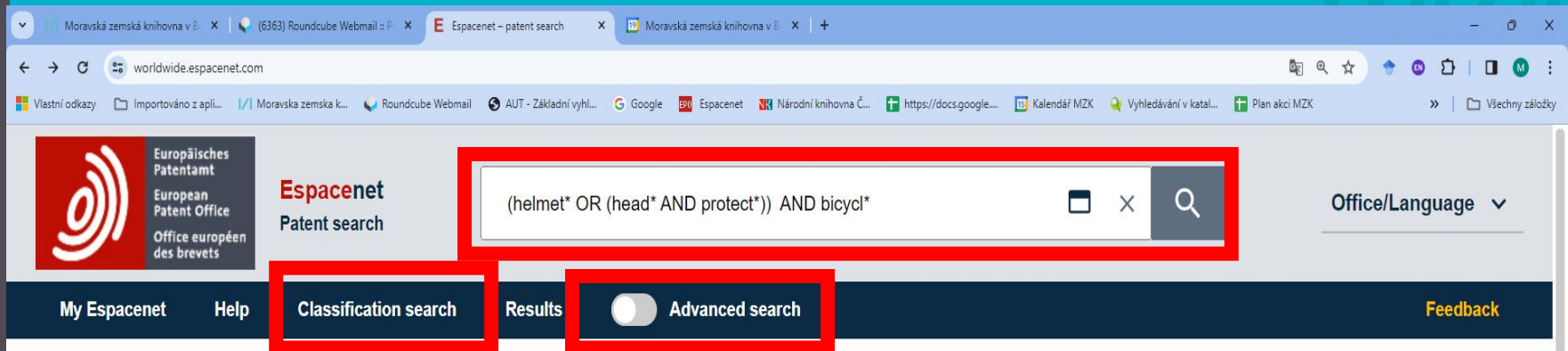
<https://www.epo.org/en/searching-for-patents/technical/espacenet>



The screenshot shows a web browser window displaying the Espacenet website. The browser's address bar shows the URL <https://www.epo.org/en/searching-for-patents/technical/espacenet>. The website header includes the EPO logo and navigation links: Homepage, Searching for patents, Applying for a patent, Law & practice, News & events, Learning, and About us. The main content area features a sidebar on the left with links to 'Espacenet - patent search Overview', 'National patent office databases', 'Global Patent Index (GPI)', and 'Release notes'. The main heading is 'Espacenet - patent search'. Below the heading is a photograph of a man looking at a computer monitor displaying a patent search interface. The text below the photo states: 'With its worldwide coverage and search features, Espacenet offers free access to information about inventions and technical developments from 1782 to today.' Below this text is a link: '→ National patent offices' databases'. At the bottom, there are two buttons: '→ Open Espacenet' (highlighted with a red box) and 'Open classic Espacenet'. The footer text reads: 'Espacenet is accessible to beginners and experts and is updated daily. It contains data on more than 150 million patent documents from around the world. Supporting information can help you understand whether a patent has been granted and if it is still in force.'

Vyhledávání

<https://worldwide.espacenet.com/>



The screenshot shows the Espacenet website interface. The search bar contains the query: `(helmet* OR (head* AND protect*)) AND bicycl*`. The search bar is highlighted with a red box. Below the search bar, the navigation menu includes "My Espacenet", "Help", "Classification search" (highlighted with a red box), "Results", "Advanced search" (highlighted with a red box), and "Feedback". The "Advanced search" option is currently disabled, indicated by a grey toggle switch.

Espacenet: free access to over 150 million patent documents



Espacenet

Vyhledávací možnosti

- Lze používat operátory AND, OR a NOT.
- Náhrady znaků:
 - * neomezená délka,
 - ? 0–1 znak,
 - # 1 znak.

Náhradní znaky nelze používat na začátku slov.


Výsledky

Nastavení zobrazení seznamu

Browser tabs: Moravská zemská knihovna v B..., (6362) Roundcube Webmail..., Espacenet - search results, Moravská zemská knihovna v B...

Address bar: worldwide.espacenet.com/patent/search?q=%28helmet%2A%20OR%20%28head%2A%20AND%20protect%2A%29%20AND%20bicycl%2A

Navigation: Vlastní odkazy, Importováno z apli..., Moravska zemská k..., Roundcube Webmail, AUT - Základní vyhl..., Google, EPO Espacenet, Národní knihovna Č..., https://docs.google..., Kalendář MZK, Vyhledávání v katal..., Plan akci MZK, Všechny záložky

Logo:  Espacenet Patent search

Search bar: (helmet* OR (head* AND protect*)) AND bicycl*

Office/Language: Office/Language ▾

Navigation: My Espacenet, Help, Classification search, Results, Advanced search, Filters, Popup tips, Feedback

Home > Results

121 285 results found

List view: Text only

List content: All

Sort by: Relevance

(0 patents selected) Select the first 20 results

1. Shell for a protective helmet

EP1836913A2 (A3,B1) • 2007-09-26 • FOX HEAD

Earliest priority: 2006-03-22 • Earliest publication: 2007-09-26

Protective structures, such as helmets, and methods for manufacturing them. In other respects, one or more tunnels are formed in or integral to an outer shell for a helmet to provide ventilation, example. In other respects, an impact liner materials, such as EPS,

2. Reflecting material

US2007269669A1 (B2) • 2007-11-22 • HEADLIGHT HELMETS AB

Earliest priority: 1998-03-05 • Earliest publication: 1999-03-15

A method of manufacturing a retro-reflective shell having a curved or irregular surface for reflecting light in all directions from a laminated product, comprising a substantially flat sheet of a plastic material and a reflective layer on at least one side of said flat sheet

Filtry

Zúžení/zpřesnění dotazu a výsledků

The screenshot shows the Espacenet patent search interface. The search query is `(helmet* OR (head* AND protect*) AND bicycl*`. The **Filters** toggle is highlighted with a red box. The left sidebar shows the **IPC main groups** filter with **A42B3** selected, which is also highlighted with a red box. A red dashed arrow points from the **A42B3** filter to the **Filters** toggle, and a red solid arrow points from the **A42B3** filter down to the **Apply** button. The main results area shows **3 323 results found** and lists the first three results:

- 1. A Helmet**
US10791789B2 (A1) • 2020-10-06 • HEADKAYSE LTD
Earliest priority: 2015-07-07 • Earliest publication: 2017-01-12
...A helmet is described, more specifically a helmet comprising a protective shell (10) formed of a flexible expanded polyurethane (EPU) material which defines a cavity for receiving the wearer's head, the shell being foldable, the helmet further comprising a strap (11) arrangement for fastening the shell to the wearer's head.
- 2. Attachment system for frontal helmet extension to a helmet**
AU2011312173A1 (B2) • 2013-05-02 • FOX HEAD INC
Earliest priority: 2010-10-05 • Earliest publication: 2012-04-12
...An attachment system for securing a frontal helmet extension to protective headgear, the attachment system including one or more magnetic elements disposed on the helmet and/or frontal helmet extension and one or more complementary elements disposed on the helmet... to detachably couple the frontal helmet extension to
- 3. Reflecting material**
US2007269669A1 (B2) • 2007-11-22 • HEADLIGHT HELMETS AB
Earliest priority: 1998-03-05 • Earliest publication: 1999-03-15
A method of manufacturing a retro-reflective shell having a curved or irregular surface for reflecting light in all directions from a laminated product, comprising a substantially flat sheet of a plastic material and a reflective layer on at least one side of said flat sheet plastic material. The reflective layer comprises a transparent

Pokročilé vyhledávání

The screenshot displays the Espacenet patent search results page. At the top, the search bar contains the query: `(nftxt = "helmet" OR (cbt = "head" AND nftxt = "protect")) AND cbt = "bicycl"`. Below the search bar, the "Advanced search" toggle is highlighted with a red box. The search results section shows "3 823 results found". A red box highlights the search criteria builder on the left, which shows a hierarchical structure: `AND` (Title, abstract or claims) containing `OR` (All text fields or names) containing `helmet*` and `AND` (Title, abstract or claims) containing `head*` and `protect*`, and `bicycl*`. A red box also highlights the first result, "1. A Helmet", with a red arrow pointing from the search criteria builder to the result. A text box on the right contains the text "Možnost výběru polí a operátorů" (Possibility of field and operator selection).

Roundcube Webmail: Napsat x Google x Espacenet - search results x Nová karta x EPO Patent information tool x +

worldwide.espacenet.com/patent/search?f=ipc_main%3Ain%3DA42B3&q=%28helmet%2A%20OR%20%28head%2A%20AND%20protect%2A%29%29%20AND%20bicycl%2A

Vlastní odkazy Importováno z apli... MZK / Moravská zemská k... Roundcube Webmail AUT - Základní vyhl... Google EPO Espacenet Národní knihovna Č... https://docs.google... Kalendář MZK www.lrpv.gov.lv/sit... Ostatní záložky Seznam čebty

Office/Language v

My Espacenet Help Classification search Results **Advanced search** Filters Pop up tips Feedback

Home > Results

Query language: en / de / fr Filters: IPC main groups: A42B3 x Clear

Query language: en de fr v

AND v + Field

OR v + Field x

All text fields or names v = v -> Group

helmet* x

AND v + Field x

Title, abstract or claims v = v -> Group

head* x

All text fields or names v = v -> Group

protect* x

Title, abstract or claims v = v -> Group

bicycl* x

Search Reset

3 823 results found

List view List content Sort by

Text only v All v Relevance v

(0 patents selected) Select the first 20 results

1. A **Helmet**

US10791789B2 (A1) • 2020-10-06 • HEADKAYSE LTD

Earliest priority: 2015-07-07 • Earliest publication: 2017-01-12

...A **helmet** is described, more specifically a **helmet** comprising a **protective shell** (10) formed of a flexible expanded polyurethane (EPU) material which defines a cavity for receiving the wearer's **head**, the shell being foldable, the **helmet** further comprising a strap (11) arrangement for fastening the shell to the wearer's **head** . . .

2. Attachment system for frontal **helmet** extension to a **helmet**

AU2014342473A1 (B2) • 2013-05-02 • FOX HEAD INC

Earliest priority: 2010-10-05 • Earliest publication: 2012-04-12

...An attachment system for securing a frontal **helmet** extension to **protective headgear**, the attachment system including one or more magnetic elements disposed on the **helmet** and/or frontal **helmet** extension and one or more complementary elements disposed on the **helmet** . . . to detachably couple the frontal **helmet** extension to the **helmet** in a position where

3. Reflecting material

US2007269669A1 (B2) • 2007-11-22 • HEADLIGHT HELMETS AB

Earliest priority: 1998-03-05 • Earliest publication: 1999-03-15

A method of manufacturing a retro-reflective shell having a curved or irregular surface for reflecting light in all directions from a laminated product, comprising a substantially flat sheet of a plastic material and a reflective layer on at least one side of said flat sheet plastic material. The reflective layer comprises a transparent adhesive substance and transparent

4. Safety **helmet**

US2009049586A1 • 2009-02-26 • HEAD GERMANY GMBH

Možnost výběru polí a operátorů

Pokročilé vyhledávání

Výběr pole

The screenshot shows the Espacenet search results page for the query "(helmet* OR (head* AND protect*)) AND bicycl*". The page displays 122,100 results. A search filter menu is open on the left, and a 'Text fields' dropdown menu is open on the right. A red arrow points from the 'Text fields' dropdown to the 'Abstract' field of the first search result.

Search query: (helmet* OR (head* AND protect*)) AND bicycl*

122 100 results found

Text view | List content | Sort by

Text only | All | Relevance

(0 patents selected) Select the first 20 results

1. Shell for a protective helmet
EP1836913A2 (A3.B1) • 2007-09-26 • FOX HEAD INC
Earliest priority: 2006-03-22 • Earliest publication: 2007-09-22
Protective structures, such as helmets, and methods for molding the same. In certain respects, one or more tunnels are formed in or integral to an outer shell for a helmet to provide ventilation, example. In other respects, an impact liner materials, such as EPS,

2. Reflecting material
US2007269669A1 (B2) • 2007-11-22 • HEADLIGHT HELMETS AB
Earliest priority: 1998-03-05 • Earliest publication: 1999-03-15
A method of manufacturing a retro-reflective shell having a curved or irregular surface for reflecting light in all directions from a laminated product, comprising a substantially flat sheet of a plastic material and a reflective layer on at least one side of said flat sheet

3. SAFETY HELMET
WO2022266709A1 • 2022-12-29 • HEADLOK PTY LTD
Earliest priority: 2021-06-22 • Earliest publication: 2022-12-29
The invention relates to a safety helmet which includes a wearable helmet body for

Text fields

- Title
- Abstract
- Description
- Claims
- Title or abstract
- Title, abstract or claims
- All text fields

Nastavení seznamu výsledků

The screenshot shows the Espacenet search results page for the query: (nftxt = "helmet" OR (cxtx = "head" AND nftxt = "protect")) AND cxtx = "bicycl". The page displays 830 results found, sorted by Relevance. The search interface includes a search bar, filters, and a results list. Annotations highlight the search settings and the results list options.

Search query: (nftxt = "helmet" OR (cxtx = "head" AND nftxt = "protect")) AND cxtx = "bicycl"

Query language: en / de / fr Filters: IPC main groups: A42B3 X Clear

Query language: en de fr

AND + Field

OR + Field X

All text fields or names =

helmet*

AND + Field X

Title, abstract or claims =

head*

All text fields or names =

protect*

Title, abstract or claims =

bicycl*

830 results found

List content: All Sort by: Relevance

Text only

Text and thumbnails

Compact list

Drawings only

ELMET WITH INTERNAL VENTILATION SYSTEM

BELL SPORTS INC [US]

Earliest priority: 2012-04-06 • Earliest publication: 2013-10-10

...A bicycle helmet for protecting the head of a wearer includes an outer shell and an energy dissipating inner layer... for supporting the helmet upon the head of the wearer. The internal ventilation system provides a gap between the head of the wearer and the inner surface. The gap allows ventilating air to flow over a substantial extent of the wearer's head and

2. Head protector used for bicycle

CN108236158A • 2018-07-03 • TIANJIN FENGKAI TECH CO LTD

Earliest priority: 2016-12-26 • Earliest publication: 2018-07-03

...The invention discloses a head protector used for a bicycle. The head protector used for a bicycle comprises a helmet body, wherein a solar panel is arranged at the top end of the outside of the helmet body, air outlets... is prevented from disturbance, and thus improving the riding safety and meeting the requirement of riders of the modern society on helmets

3. Bicycle intelligence head protective equipment that adaptation head form changes

CN207870376U • 2018-09-18 • CHENGDU YIZHONGLI NETWORK TECH CO LTD

Earliest priority: 2018-01-03 • Earliest publication: 2018-09-18

...The utility model discloses a bicycle intelligence head protective equipment that adaptation head form changes including helmet shell body, helmet... for below 13 of helmet shell body surface area, surface cover at helmet shell body has outer protecting film, be... worn, avoids the helmet and head form improper and lead to the not hard up phenomenon

4. Head type self-adaptive bicycle helmet

CN213695885U • 2021-07-16 • NANJING CHUQING ELECTRONIC TECH CO LTD

Možnost nastavení:

- způsob zobrazení výsledků,
- zobrazení všech nebo vybraných výsledků,
- pořadí výsledků.

Tisk či download vybraných výsledků.

Stahování či tisk výsledků

The screenshot shows a web browser window with the Espacenet patent search results page. The search query is "(nftxt = "helmet" OR (ctxt = "head" AND nftxt = "protect")) AND ctxt = "bicycl"". The results page shows 830 results found, with the first three results listed. A red box highlights a dropdown menu that appears over the results, containing the following options: Download, List (xlsx), List (csv), Front pages (pdf), Print, Add selection to My patents, and Share this query. The menu is titled "Menu" and has up and down arrow buttons.

Home > Results

Query language: en / de / fr Filters: IPC main groups: A42B3 x Clear

830 results found

List view Text only List content All Sort by Relevance

(2 patents selected) Select the first 20 results

1. **PROTECTIVE BICYCLE HELMET WITH INTERNAL VENTILATION SYSTEM**
WO2013152322A1 • 2013-10-10 • BELL SPORTS INC [US]
Earliest priority: 2012-04-06 • Earliest publication: 2013-10-10
...A bicycle helmet for protecting the head of a wearer includes an outer shell and an energy dissipating inner layer... for supporting the helmet wearer. The internal ventilation system provides a gap between the head of the wearer and the inner surface. The gap allows ventilating air to extent of the wearer's head and within the helmet ...

2. **Head protector used for bicycle**
CN108236158A • 2018-07-03 • TIANJIN FENGKAI TECH CO LTD
Earliest priority: 2016-12-26 • Earliest publication: 2018-07-03
...The invention discloses a head protector used for a bicycle. The head protector used for a bicycle comprises a helmet body, wherein a solar panel is arranged at the top end of the outside of the helmet body, air outlets... is prevented from disturbance, and thus improving the riding safety and meeting the requirement of riders of the modern society on helmets of the bicycle ...

3. **Bicycle intelligence head protective equipment that adaptation head form changes**
CN207870376U • 2018-09-18 • CHENGDU YIZHONGLI NETWORK TECH CO LTD
Earliest priority: 2018-01-03 • Earliest publication: 2018-09-18
...The utility model discloses a bicycle intelligence head protective equipment that adaptation head form changes, including helmet shell body, helmet... for below 13 of helmet shell body surface area, surface cover at helmet shell body has outer protecting film, be... worn, avoids the helmet and head form improper and lead to the not hard up phenomenon of the helmet to ...

4. **Head type self-adaptive bicycle helmet**
CN213695885U • 2021-07-16 • NANJING CHUOING ELECTRONIC TECH CO LTD

My Espacenet

The screenshot shows the My Espacenet interface. At the top, there is a search bar with the query "in all "Vi#tor Kaplan" AND num any "CS AT" AND cbxt any "turbin"". Below the search bar, there are navigation tabs: "My Espacenet" (highlighted with a red box), "Help", "Classification search", "Results", and "Popup tips". A "Feedback" link is also visible.

Under the "My Espacenet" tab, there are three sub-tabs: "My patents", "My queries" (highlighted with a red box), and "My settings".

The "My queries" section displays a table of saved queries with the following columns: Query, Filters, Languages, Date, Results found, and Actions.

Query	Filters	Languages	Date	Results found	Actions
in all "Vi#tor Kaplan" AND D (num any "CS" OR ap any "AT")		en:de:fr	2021-10-04 13:57:34	45	▶ 🗑️
ia all "Vi#tor Kaplan" AND D cbxt all "turbin"		en:de:fr	2021-10-04 13:53:08	43	▶ 🗑️
(helmet* OR (head* AND protect*)) AND bicycl*		en:de:fr	2021-10-04 12:33:04	94 362	▶ 🗑️
helmet* AND bicycl*		en:de:fr	2021-10-04 11:14:25	12 203	▶ 🗑️
helmet* AND bicycle*		en:de:fr	2021-10-04 11:12:01	10 856	▶ 🗑️
seat* AND (portable OR movable)		en:de:fr	2021-10-04 11:08:27	1 941 895	▶ 🗑️
(pet* OR dog*) AND umbrella*		en:de:fr	2021-10-04 11:05:02	34 062	▶ 🗑️
(pet* OR animal* OR dog* OR cat*) AND umbrella*			2021-10-04 11:04:28	0	▶ 🗑️
(pet* OR animal* OR dog* OR cat*) AND umbrella* AND A01K13*			2021-10-04 11:03:39	0	▶ 🗑️
(pet* OR animal* OR dog			2021-10-04 11:02:24	0	▶ 🗑️

V osobní schránce My Espacenet lze:

- nastavit osobní preference,
- ukládat vybrané záznamy,
- najít historii dotazů.

Ukládání výsledků do osobní schránky

The screenshot shows the Espacenet patent search interface. The search query is "(helmet* OR (head* AND protect*)) AND bicycl*". The results page displays 121,235 results found. A red arrow points from the "My Espacenet" button in the top navigation bar to the "Add selection to My patents" option in a context menu. The context menu also includes "Download", "Print", and "Share this query".

Home > Results

121 235 results found

List view: Text only | List content: All | Sort by: Relevance

(3 patents selected) Select the first 20 results

1. Shell for a protective helmet
EP1836913A2 (A3,B1) • 2007-09-26 • FOX HEAD INC
Earliest priority: 2006-03-22 • Earliest publication: 2007-09-22
Protective structures, such as helmets, and methods for molding the same. In certain respects, one or more tunnels are formed in or integral to an outer shell for a helmet to provide ventilation, example. In other respects, an impact liner materials, such as EPS, may be directly in-molded to shells suitable for use in motorcycle helmets and other helmets ...

2. Reflecting material
US2007269669A1 (B2) • 2007-11-22 • HEADLIGHT HELMETS AB
Earliest priority: 1998-03-05 • Earliest publication: 1999-03-15
A method of manufacturing a retro-reflective shell having a curved or irregular surface for reflecting light in all directions from a laminated product, comprising a substantially flat sheet of a plastic material and a reflective layer on at least one side of said flat sheet plastic material. The reflective layer comprises a transparent adhesive substance and transparent glass or plastic pearls with a diameter between 0.01 and 0.05 mm. The substance

3. SAFETY HELMET
WO2022266709A1 • 2022-12-29 • HEADLOK PTY LTD
Earliest priority: 2021-06-22 • Earliest publication: 2022-12-29
The invention relates to a safety helmet which includes a wearable helmet body for protecting a wearer's head and an adjustable strap for securing the helmet body to the wearer's head. The helmet further includes a locking arrangement integrated with the helmet body and a locking member comprising

Context menu options: Download, Print, Add selection to My patents, Share this query

Hledání podle Cooperative Patent Classification (CPC)

The screenshot shows the Espacenet CPC browser interface. The search bar contains the text "helmet*" and is highlighted with a red box. Below the search bar, there are navigation buttons for "Index", "A", "B", "C", "D", "E", "F", "G", "H", and "Y". The main content area displays a list of classification categories with corresponding symbols and checkboxes. The categories are:

Classification and description	Symbol
HUMAN NECESSITIES	A <input type="checkbox"/>
PERFORMING OPERATIONS; TRANSPORTING	B <input type="checkbox"/>
CHEMISTRY; METALLURGY	C <input type="checkbox"/>
TEXTILES; PAPER	D <input type="checkbox"/>
FIXED CONSTRUCTIONS	E <input type="checkbox"/>
MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING	F <input type="checkbox"/>
PHYSICS	G <input type="checkbox"/>
ELECTRICITY	H <input type="checkbox"/>
GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS	Y <input type="checkbox"/>

On the right side, there is a "Selected classifications" section with a "Find patents" button and a link to "Try also the AI-based CPC Text Categoriser". A red box highlights a text box containing the following text:

S třídíkem lze pracovat takto:

- Zadat klíčové slovo a objeví se nabídka třídíků.
- Zadat notaci/třídínik.
- Postupně rozklikávat třídínik.

Hledání podle CPC

The screenshot shows the Espacenet CPC browser interface. At the top, there is a search bar with the text "Enter your search terms" and a magnifying glass icon. Below the search bar, there are navigation tabs: "My Espacenet", "Help", "Classification search", and "Results". The "Results" tab is currently selected. On the right side, there is a "Feedback" link.

The main content area is titled "Classification search" and contains the following text: "Use this page to find CPC symbol meanings or search relevant symbols by keywords in the worldwide bibliographic database. Espacenet will list the most frequent ones at main group level."

Below this text, there is a search input field with the placeholder "Enter a keyword or a classification symbol" and a "Search" button. To the right of the search field, there are navigation buttons for "Index" and letters "A", "B", "C", "D", "E", "F", "G", "H", "Y".

Below the search field, there is a row of icons for navigation and a "CPC" icon. To the right of these icons, there are two red text labels: "« A63C13/00" and "A63C19/00 »".

The main content area is divided into two columns. The left column is titled "Classification and description" and contains a list of items with descriptions and symbols. The right column is titled "Symbol" and contains a list of symbols with checkboxes.

The "Classification and description" column contains the following items:

- [Ice skateboards]
- with wheels arranged in two pairs ((for skateboards **A63C 17/015**))
- with wheels arranged otherwise than in two pairs ((for skateboards **A63C 17/014**))
- [Roller skis]
- single-track type
- [with relative movement of sub-parts on the chassis]
- [with a pivotal frame or cradle around transversal axis for relative movements of the wheels]
- [comprising steered wheels, i.e. wheels supported on a vertical axis]

The "Symbol" column contains the following symbols with checkboxes:

- A63C 17/018
- A63C 17/02
- A63C 17/04
- A63C 17/045**
- A63C 17/06
- A63C 17/061
- A63C 17/062
- A63C 17/064

On the right side of the page, there is a "Selected classifications" section. It contains a list of selected classifications: "A63C17/045/low". Below this list, there is a "Clear" button and a "Find patents" button. At the bottom of the page, there is a box that says "Try also the AI-based CPC Text Categoriser".

Statistické analýzy patentů pomocí filtrů

The image shows a screenshot of the Espacenet patent search results page. The search query is "bicycle* AND helmet*". The page displays 17,068 results found. A red box highlights the filters section, and a red arrow points to the "Filters" button. The filters section includes a search box for "Countries (family)" and a "Filters" button. The results are sorted by Relevance. The first three results are:

- BICYCLE HELMET HOLDER**
EP2867108A1 (B1) • 2015-05-06 • HELMETOR LTD
Earliest priority: 2012-06-30 • Earliest publication: 2014-01-01
No abstract available
- BICYCLE HELMET WITH EYEWEAR RETENTION**
US12127624B2 (A1) • 2024-10-29 • SPECIALIZED BICYCLE COMPONENTS INC
Earliest priority: 2021-09-27 • Earliest publication: 2023-03-29
A bicycle helmet adapted to be used with eyewear includes an impact-absorbing body, a resilient wiper, and an alignment...
- Bicycle helmet with reinforcement structure**
EP1856998A2 (A3,B1) • 2007-11-21 • SPECIALIZED BICYCLE COMPONENTS
Earliest priority: 2006-05-19 • Earliest publication: 2007-11-21

Country	Count
AP	1
AR	33
AT	196
AU	825
BE	51
BG	6
BR	326

Statistické analýzy pomocí filtrů

The screenshot shows the Espacenet search results page for the query "bicycle* AND helmet*". The search results are displayed in a table with columns for Country (family), Count, and Patent Number. A red box highlights the "Filters" button in the top right corner of the results area. An Excel spreadsheet is overlaid on the right side of the page, showing a filtered list of countries and their counts. The spreadsheet has columns for Country (family), Count, and Patent Number. The data in the spreadsheet is as follows:

Country (family)	Count	Patent Number
AP	1	12
AR	33	13
AT	196	14
AU	825	15
BE	51	16
BG	6	17
BR	326	18
CA	975	19
CH	17	20
CN	17	21
DE	17	22
DK	17	23
EA	17	24
EP	17	25
ES	17	26
FR	17	27
GB	17	28
GR	17	29
HK	17	30
IL	17	31
IN	17	32
JP	17	33
KR	17	34
LU	17	35
MA	17	36
MX	17	37
NO	17	38
PL	17	39
PT	17	40
RU	17	41
SE	17	42
SG	17	43
SI	17	44
TW	17	45
US	17	46

The Excel spreadsheet also shows the "Query" tab selected, with the query text "Countries (family)" and the filter "Earliest priority date" set to "2006-05-19". The status bar at the bottom of the spreadsheet shows "Earliest priority: 2006-05-19 • Earliest publication: 2007-11-21".

Statistické analýzy patentů pomocí filtrů – grafy

The screenshot displays the Espacenet search interface. The search query is `(helmet* OR (head* AND protect*)) AND bicycl*`. The search results page shows 2,893 results. The interface includes several filters and graphs:

- Query language:** en / de / fr
- Filters:** IPC main groups: A42B3
- Family:** Publication
- Countries (publication):** US, CN, WO, KR, EP, JP, CA
- Languages (publication):** en, zh, ko, ja, de, fr, es, it
- Publication date (publication):** From 2001-01-01 To 2022-12-31
- Earliest priority date:** From 1989-01-01 To 2021-12-31

The graphs show the number of patents over time, with the x-axis representing the year and the y-axis representing the number of patents. The graphs are color-coded by country/language: US (red), CN (blue), WO (green), KR (orange), EP (purple), JP (brown), CA (pink).

The search results list includes:

- 1. A Helmet...
- US10791789
- Earliest prio...
- ...A helmet is o...
-) formed of a f...
- for receiving th...
- 2. Attachr...
- AU2011312...
- Earliest prio...
- ...An attachment system for securing a frontal helmet extension to protective headgear, the attachment system including one or more magnetic elements disposed

Záznam patentového dokumentu

worldwide.espacenet.com/patent/search/family/064664646/publication/EP3498120A1?q=pn%3DEP3498120A1

Espacenet Patent search

pn=EP3498120A1

Office/Language

My Espacenet Help Classification search Results Advanced search Filters Pop up tips Report data error Feedback

Home > Results > EP3498120A1

1. >

☆ EP3498120A1 BICYCLE HELMET WITH VENTILATION PLATE

Bibliographic data Description Claims Drawings Original document Citations Legal events Patent family

Register ↗ Global Dossier ↗

Applicants SPECIALIZED BICYCLE COMPONENTS INC [US] +

Inventors GOSSEEN NICHOLAS REID [US]; KRYNOCK MICHAEL JOSEPH [US]; OKAMURA ALAN [US] +

Classifications

IPC A42B3/06; A42B3/28;

CPC A42B3/0493 (US); A42B3/06 (US); A42B3/066 (EP,US); A42B3/28 (EP,CN,US); A42B3/283 (CN,US);

Priorities US201762599565P-2017-12-15

Application EP18211541A-2018-12-11

Publication EP3498120A1-2019-06-19

Published as CN109998215A; EP3498120A1; US2019183203A1

EN DE FR

BICYCLE HELMET WITH VENTILATION PLATE

Abstract

Available in Pa

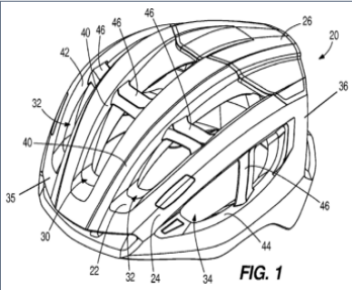
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Original document

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Front-page drawing from EP3498120A1



Strojový překlad

The screenshot shows the Espacenet patent search results page for EP3498120A1. The page is in English, and the search results are displayed in a list. The first result is EP3498120A1, titled "BICYCLE HELMET WITH VENTILATION PLATE". The "Description" tab is selected and highlighted with a red box. A red arrow points from this tab to a machine translation interface on the right side of the page. The translation interface is titled "patenttranslate" and is powered by EPO and Google. It shows a list of languages for translation, with "Czech" selected. The translation of the description is visible on the right, showing the beginning of the text: "Czech Albanian Bulgarian Chinese Croatian Danish Dutch Estonian Finnish French German". Below the translation, there are two technical drawings of a bicycle helmet, labeled "G. 1" and "FIG. 2".

Home > Results > EP3498120A1

1. >

☆ EP3498120A1 BICYCLE HELMET WITH VENTILATION PLATE

Bibliographic data **Description** Claims Drawings Original document Citations Legal events Patent family

Register ↗ Global Dossier ↗

Data originating from sources other than the EPO may not be accurate, complete, or up to date.

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Provisional Application No. 62/599,565, filed December 15, 2017.

BACKGROUND

[0002] The present invention relates generally to the field of bicycle helmets and specifically to bicycle helmets designed for improved ventilation.

[0003] Bicycle helmets are designed to protect a user's head in the event of an accident. Bicycle helmets typically include a thick liner of expanded polystyrene (EPS) covered with a thin shell of a hard plastic material, such as lexan, polycarbonate, or acrylonitrile butadiene styrene (ABS).

[0004] In order to increase a user's comfort when riding a bicycle, bicycle helmets may be designed to be lightweight and/or to have ventilation so that the user's head is cooled while riding. For example, ventilation may include inlet ventilation ports on the front of the bicycle helmet and outlet ventilation ports on the rear of the bicycle helmet, thereby facilitating the flow of air through the bicycle helmet. As bicycle helmet design has evolved, ventilation ports have generally become larger and more numerous in order to increase the amount of air flowing through the helmet.

[0005] As the size of ventilation ports have increased, reinforcing struts have been added to enhance the strength of the bicycle helmet. These struts can extend laterally across the ventilation ports in order to provide strength to the underlying liner. Struts can be made of a variety of materials, such as plastic mesh or plastic strip, and the struts are often covered with a layer of EPS.

BRIEF DESCRIPTION OF THE DRAWINGS

[0006]

Výsledek strojového překladu

translationportal.epo.org/emtp/translate/?ACTION=description-retrieval&COUNTRY=WO&ENGINE=google&FORMAT=docdb&KIND=A1&LOCALE=en_EP&NUMBER=2014001812&SRCLANG=en&TRGLANG=cs

French
German
Albanian
Bulgarian
Croatian
Czech
Danish
Dutch
Estonian
Finnish
Greek
Hungarian
Icelandic
Italian
Latvian
Lithuanian

Oznámení

Toto je strojový překlad. Nelze zaručit, že je srozumitelný, přesný, úplný, spolehlivý, či vhodný pro určité účely. Kritická rozhodnutí, jako jsou komerčně závazná nebo finanční rozhodnutí, by se neměla zakládat na výstupu strojového překladu.
Vývoj služby Patent Translate pro češtinu stále probíhá, snažíme se dále zlepšit kvalitu překladu.

POPIS WO2014001812A1

[0001]

Držák na cyklistickou helmu

[0002]

Vynález se týká držáku pro použití s cyklistickou helmou, pro připevnění helmy k jízdnímu kolu nebo ke zdi, dveřím atd.

[0003]

Používání cyklistických přileb se v posledních desetiletích neustále zvyšuje, aby se zabránilo a snížil výskyt traumatických poranění mozku v důsledku nehod a kolizí

Print
PDF (only translation)
PDF (original and translation)

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Contact

The use of bicycle helmets has steadily increased over the past decades to prevent and reduce the incidence of traumatic brain injury due to bicycle crashes and collisions.

Kontakt

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