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Martina Machátová

Poslední aktualizace: 28. dubna 2022

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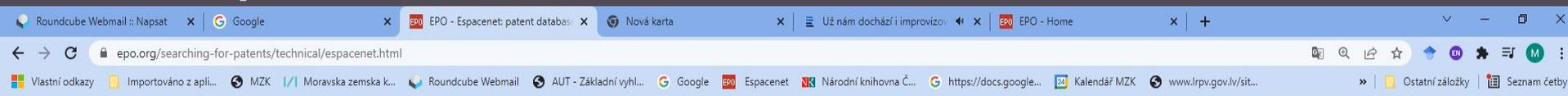
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(helmet* OR (head* AND protect*)) AND bicycl*



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 - ? 0–1 znak,
 - # 1 znak.

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Patent search

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Relevance

↓ Priority date

↑ Priority date

↓ Publication date

↑ Publication date

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1. A **Helmet**

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

Earliest priority: 2015-07-07 • Earliest publication: 2017-01-27

...A **helmet** is described, more specifically a **helmet** comprising a **protective shell** (10) formed of a flexible expanded polyethylene (EPE) material which comprises 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 the **helmet** in a position wherein the frontal **helmet** extension extends forward ...

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 glass or plastic pearls with a diameter between 0.01 and 0.05 mm. The substance adheres to the flat sheet plastic material, to

4. **Safety helmet**

US2009049586A1 • 2009-02-26 • **HEAD GERMANY GMBH**

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Výsledky – výběr k uchování



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1. A Helmet

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US2009049586A1 • 2009-02-26 • HEAD GERMANY GMBH



Filtry – zúžení/zpřesnění dotazu a výsledků

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IPC main groups

IPC main groups	Count
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<input type="checkbox"/> A41D1	24
<input type="checkbox"/> A41D13	199
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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

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Query language: en de fr v

AND v + Field

OR v + Field x

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helmet* x

AND v + Field x

Title, abstract or claims v = v -- Group

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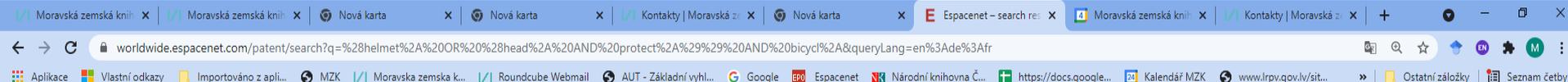
4. **Safety helmet**

US2009049586A1 • 2009-02-26 • **HEAD GERMANY GMBH**

Možnost výběru polí a kombinací operátorů

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AND + Field

OR + Field

Title, abstract or claims =

helmet*

AND + Field

Title, abstract or claims =

head*

Title, abstract or claims =

protect*

All text fields or names =

bicycl*

(cctx = "helmet*" OR (cctx = "head*" AND cctx = "protect*")) AND nftxt = "bicycl**"

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Text fields

Title

Abstract

Description

Claims

Title or abstract

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All text fields

Names

All text fields or names

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1. Helmet with good bicycle motion protection perform...
CN212938206U • 2021-04-13 • JIANGSU VOCATIONAL...
Earliest priority: 2020-05-29 • Earliest publication: 2021-04-13
...The utility model discloses a helmet with good bicycle motion protection performance, which comprises a helmet main body, a protective... is electrically connected with a headset. The helmet

2. Bicycle protective helmet with internal ventilating sy...
CN105768317A • 2016-07-20 • TIANJIN YUNLIAN SCIE...
Earliest priority: 2014-12-20 • Earliest publication: 2016-07-20
...The invention provides a bicycle protective helmet with an internal ventilating system. The bicycle protective helmet comprises an outer-layer..., and when the helmet does not need to be used, the protective

3. Bicycle helmet
CN206284472U • 2017-06-30 • PENG JUNTAO
Earliest priority: 2016-10-31 • Earliest publication: 2017-06-30
...The utility model discloses a bicycle helmet, including helmet body and protection network, the protection network includes 3D three-dimensional... inlaid inside helmet body, the last screening glass that

4. Bicycle helmet



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Nastavení seznamu výsledků



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Text only	All	Relevance
Text and thumbnails	0 results	
Compact list	ELMET WITH INTERNAL VENTILATION SYSTEM	
Drawings only	D • BELL SPORTS INC [US]	

- ...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 CHUOING ELECTRONIC TECH CO LTD

Možnost nastavení:

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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 on the head of a 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 between the extent of the wearer's head and within the helmet. ...

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CN108236158A • 2018-07-03 • TIANJIN FENGKAI TECH CO LTD
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CN213695885U • 2021-07-16 • NAN JING CHUQING ELECTRONIC TECH CO LTD

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Hledání podle Cooperative Patent Classification (CPC)

Classification search

3 možnosti práce s třídíkem:

- hledání podle slov,
- hledání určité notace / určitého symbolu,
- postupné rozklikávání notace od obecného ke specifickému.

Classification symbol	Title and description
<input checked="" type="checkbox"/> A42B 3/00	Helmets; Helmet covers (Other protective head coverings) (hoods for welders A61F 9/06); defence protection helmets F41H 1/04)
<input type="checkbox"/> G02B 27/00	Optical systems or apparatus not provided for by any of the groups G02B 1/00 - G02B 26/00, G02B 30/00
<input type="checkbox"/> A41D 13/00	Professional, industrial or sporting protective garments, e.g. surgeons' gowns or garments protecting against blows or punches (helmets A42B 3/00 ; clothing affording protection against chemical agents or for use at high altitudes A62B 17/00 ; life-saving garments for use at sea, diving suits B63C ; bulletproof or armoured clothing F41H ; clothing affording protection against radiation G21F 3/02)
<input type="checkbox"/> A62B 18/00	Breathing masks or helmets, e.g. affording protection against chemical agents or for use at high altitudes (for incorporating a pump or compressor for reducing the inhalation effort) (A62B 17/00 takes precedence; anaesthetic masks A61M 16/06)
<input type="checkbox"/> G08B 21/00	Alarms responsive to a single specified undesired or abnormal operating condition and not elsewhere provided for
<input type="checkbox"/> H04R 1/00	Details of transducers, (loudspeakers or microphones)
<input type="checkbox"/> F41H 1/00	Personal protection gear (shields for personal use F41H 5/08 ; (footwear for use in minefields A43B 3/0026); for protection against chemical warfare A62B)
<input type="checkbox"/> A42C 2/00	Manufacturing helmets by processes not otherwise provided for
<input type="checkbox"/> A62B 7/00	Respiratory apparatus (for medical purposes A61M 16/00)

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Stažení záznamů ve formátu xlsx



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No	Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
1	BICYCLE HELMET WITH VENTILATION PLATE	GOSSEEN NICHOLAS REID [US] KRYNOCK MIKE [US] OKAMURA ALAN [US]	SPECIALIZED BICYCLE COMPONENTS INC [US]	US2019183203A1	2017-12-15	A42B3/12 A42B3/28	A42B3/12 A42B3/28		2019-06-19	064654646
2	Protective bicycle helmet with internal ventilation system	PIETRZAK CHRIS T	BELL SPORTS INC BELL SPORTS INC [US]	AU2013243315A1 AU2013243315B2	2012-04-06	A42B3/00 A42B3/06 A42B3/28	A42B3/00 A42B3/06 A42B3/28		2013-10-10	049291129
3	MACHINE-VENDIBLE FOLDABLE BICYCLE HELMET METHODS AND SYSTEMS	SHIFFER ISIS [US]	SHIFFER ISIS [US] MEMBRAIN SAFETY SOLUTIONS LLC [US]	US10959480B2 US2019142100A1	2016-09-13	G09F21/02 G09F23/00 A42B3/06 A42B3/32 A42B3/12	A42B3/06 G09F23/00 A42B3/06 A42B3/32 A42B3/12		2018-03-20	061607131
4	Bicycle helmet	BULLOCK CHRISTOPHER [US] PIETRZAK CHRIS [US]	SPECIALIZED BICYCLE COMPONENTS [US]	US2006248630A1 US7376980B2	2005-04-20	A42B7/00	A42B3/066 (EP) A42B3/08 (EP) A42B3/147 (EP) A42B3/28 (EP)	2006-11-09 2008-05-27	2006-10-25	036590231
5	Wireless-sensor-based intelligent electric bicycle helmet management system	SHAO YUNLIAN	UNIV HUAIYIN NORMAL	CN110179195A	2019-05-30	A42B3/04	A42B3/0406 (CN) A42B3/0433 (CN) A42B3/0466 (CN)	2019-08-30	2019-08-30	067718657
6	Bicycle helmet	SPERBER GERHARD [DE]	ELASTO FORM [DE]	US5687426A	1993-02-25	A42B3/00 A42B3/04 A42B3/06 A42B3/12 A42B3/28 A42C2/00	A42B3/061 (EP) A42B3/066 (EP) A42B3/12 (EP) A42B3/281 (EP) A42C2/00 (EP)	1997-11-18	1997-11-18	027544664
7	Bicycle helmet	EGGER F ROBERT [US]	SPECIALIZED BICYCLE COMPONENTS [US]	US6105176A	1993-09-17	A42B3/00 A42B3/00 A42B3/06	A42B3/066 (EP) A42B3/125 (EP) A42B3/28 (EP)	2000-08-22	1995-09-19	022410504

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worldwide.espacenet.com/patent/search?q=cpc%20%3D%20"A42B3%2F00%2Flow"%20AND%20ctxt%20%3D%20"bicycle%2A"&queryLang=en%3Ade%3Afr



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cpc = "A42B3/00/low" AND ctxt = "bicycle**"

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Languages (publication) ▾

Publication date (publication) ▾

Family

Earliest priority date ▾

IPC main groups ▾

IPC subgroups ▾

Countries (publication)	Number of documents
US	327
3 CN	111
4 WO	99
5 KR	86
6 EP	80
7 DE	43
8 CA	31
9 GB	25
10 JP	25
11 AU	24
12 ES	8
13 FR	8
14 TW	7
15 SE	6
16 IT	4
17 MX	2
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19 BE	1
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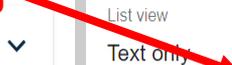
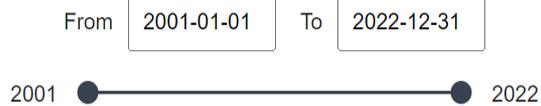
Query language: en / de / fr Filters: IPC main groups: A42B3 Publication date (publication): 2001-01-01 — 2022-12-31

Family Publication

Countries (publication)

Languages (publication)

Publication date (publication)



2 893 results found for: (helmet* OR (head* AND protect*)) AND bicycl*

Query language: en / de / fr Filters: IPC main groups: A42B3 Publication date (publication): 2001-01-01 — 2022-12-31 Clear

Countries (publication)

Country	Count
US	~550
CN	~450
WO	~150
KR	~100
EP	~100
JP	~100
CA	~100

Languages (publication)

Language	Count
en	~550
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ja	~100
de	~100
fr	~100
es	~100
it	~100

Publication date (publication)

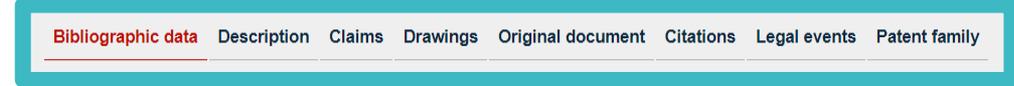
From: 2001-01-01 To: 2022-12-31

Earliest priority date

From: 1989-01-01 To: 2021-12-31

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Záznam patentového dokumentu



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

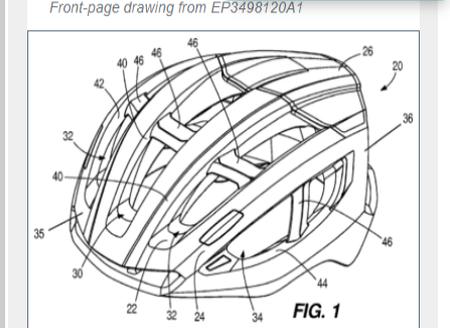
Application EP18211541A-2018-12-11

Publication EP3498120A1-2019-06-19

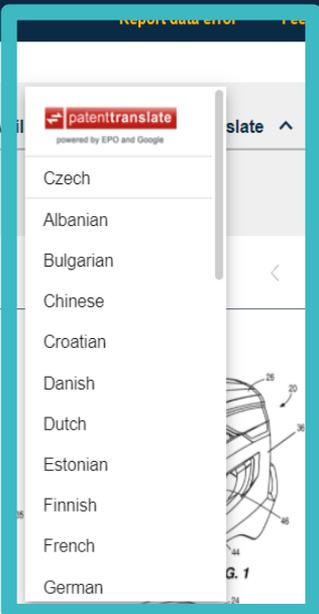
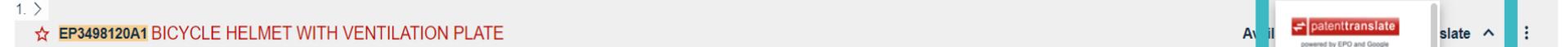
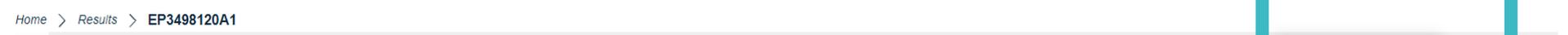
Published as **CN109998215A; EP3498120A1; US2019183203A1**

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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.

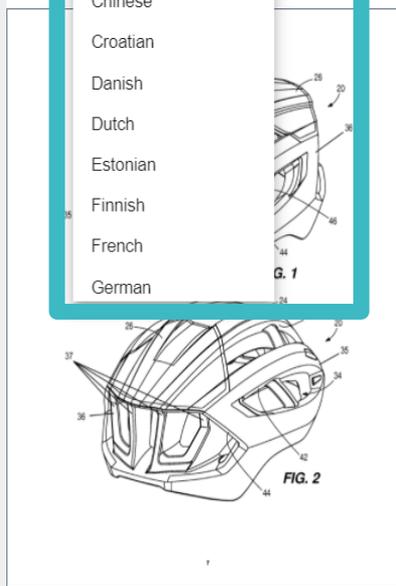
[0003] Bicycle helmets are designed to protect a user's head in the event of an accident. Bicycle helmets typically include a thick liner of expanded polystyrene (EPS) covered with a thin shell of a hard plastic material, such as lexan, polycarbonate, or acrylonitrile butadiene styrene (ABS).

[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

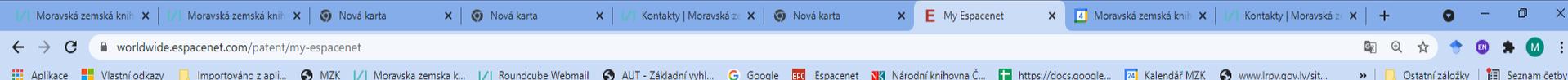
[0006]



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Vybrané patentové dokumenty, historie dotazů, natavení osobních preferencí.



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in all "Vi#tor Kaplan" AND (num any "CS" OR any "AT")		en:de:fr	2021-10-04 13:57:34	45	▶ 🗑️
ia all "Vi#tor Kaplan" AND D cbxt all "turbine"		en:de:fr	2021-10-04 13:53:08	43	▶ 🗑️
(helmet* OR (head* AND protect*)) AND bicycle*		en:de:fr	2021-10-04 12:33:04	94 362	▶ 🗑️
helmet* AND bicycle*		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	▶ 🗑️
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