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Martina Machátová

Poslední aktualizace: 7. března 2022

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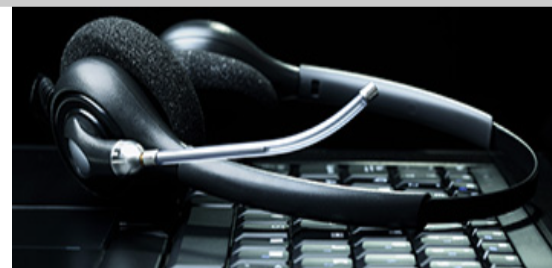
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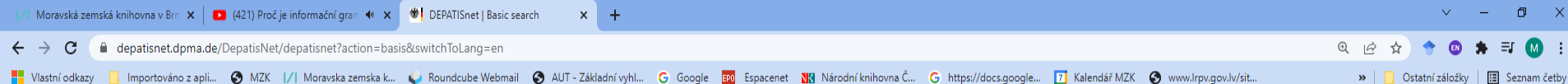
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			supplying startup power for the fuel cell stack. The conventional twelve volt battery is not needed in the vehicle thereby eliminating the weight and size of the twelve volt battery from the vehicle. A bank of super capacitors can be included in the vehicle which are operatively connected to the fuel cell stack and to the starter. [FR] Un moteur à combustion interne pour véhicule comprend un ensemble de piles à combustible PEM à faible poids et une installation de génération d'énergie qui est utilisée pour fournir de l'énergie afin de faire fonctionner un démarreur de véhicule et démarrer un véhicule, ainsi que pour faire fonctionner un équipement supplémentaire pendant que le véhicule fonctionne ou avant qu'il commence à fonctionner. Une petite pile sèche est comprise dans le véhicule pour fournir l'énergie de lancement pour l'ensemble de pile à combustible. Le véhicule n'a pas besoin d'une batterie douze volts traditionnelle, ce qui permet d'éliminer le poids et l'encombrement de cette batterie dans le véhicule. Un bloc de super-condensateur peut être intégré au véhicule, ces super-condensateurs étant intégrés au véhicule et connectés fonctionnels à l'ensemble de piles à combustible et au démarreur.
	Information on correction	KORRINF	
56	Cited documents identified in the search	CT	US020020056580A1  US020060021808A1 
56	Cited documents indicated by the applicant	CT	
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(19) **United States**

(12) **Patent Application Publication**

Friebe et al.



US 2002/0056580A1

(54) **MOTOR VEHICLE WITH A DRIVE COMBUSTION ENGINE**

(76) Inventors: **Peter Friebe**, Kirchheim (DE); **Uwe Griesmeier**, Markdorf (DE); **Berthold Keppeler**, Owen (DE); **Jurgen Ludwig**, Bempflingen (DE)

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P.O. Box 14300
Washington, DC 20044-4300 (US)

(21) Appl. No.: **09/985,181**

(22) Filed: **Nov. 1, 2001**

(30) **Foreign Application Priority Data**

Nov. 1, 2000 (DE)..... DE 100 54 007.4

Publication Classification

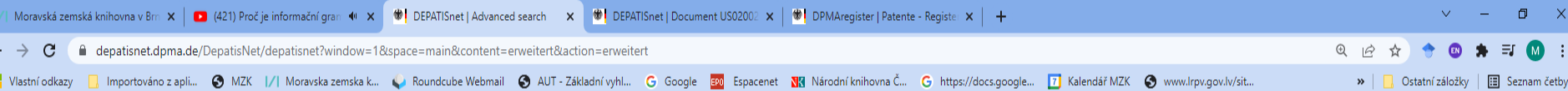
(51) **Int. Cl.⁷** **B60K 1/00**; B60K 6/00

(52) **U.S. Cl.** **180/65.2**; 180/65.3; 60/716

(57) **ABSTRACT**

A motor vehicle has a drive combustion engine and a power supply system for supplying electric consuming devices on-board the motor vehicle. The power supply system includes a fuel cell system and a battery coupled to the fuel cell system. The energy and/or material currents of the drive combustion engine and the fuel cell system are coupled together.

Pokročilé vyhledávání



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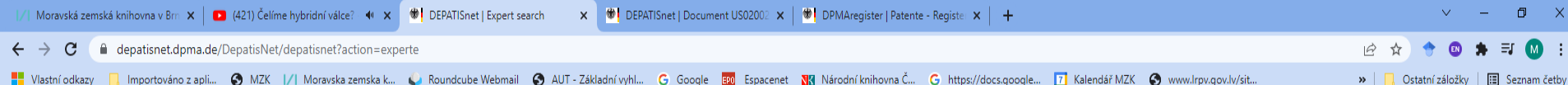
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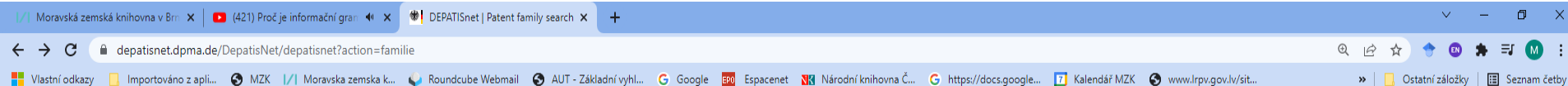
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