

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2017/070639

A. CLASSIFICATION OF SUBJECT MATTER
 INV. E05B85/06 E05C19/02
 ADD. E05B17/18 E05B77/34 E05B77/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 E05B E05C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2014/125071 A1 (MCWILLIAMS MARK [US]) 8 May 2014 (2014-05-08) the whole document	1-16
X	DE 101 28 866 A1 (VOLKSWAGEN AG [DE]) 19 December 2002 (2002-12-19) the whole document	1,2, 11-16
A	EP 2 642 049 A2 (HUF HUELSBECK & FUERST GMBH [DE]) 25 September 2013 (2013-09-25) abstract	3-10
A	EP 2 642 049 A2 (HUF HUELSBECK & FUERST GMBH [DE]) 25 September 2013 (2013-09-25) abstract	14
X	FR 2 819 539 A1 (PEUGEOT CITROEN AUTOMOBILES SA [FR]) 19 July 2002 (2002-07-19) the whole document	1-3
A	FR 2 819 539 A1 (PEUGEOT CITROEN AUTOMOBILES SA [FR]) 19 July 2002 (2002-07-19) the whole document	4-16
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search 17 October 2017	Date of mailing of the international search report 05/12/2017
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Cruyplant, Lieve
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 475 244 A2 (NIFCO INC [JP]) 18 March 1992 (1992-03-18) abstract -----	6-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/070639

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2014125071	A1	08-05-2014	BR 112013019581 A2 CN 103703201 A EP 2670933 A2 JP 2014504689 A KR 20140077869 A US 2014125071 A1 WO 2012112307 A2

DE 10128866	A1	19-12-2002	NONE

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