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(54) **AN AUTOMATIC DOOR STOP**

(57) A door stop is provided, comprising a mounting means for mounting the door stop to a door; a stopping member for stopping the door; and a biasing means for selectively controlling the stopping member between a stopping position and a non-stopping position. The biasing means automatically actuates the stopping member

to the stopping position in response to the door being opened. The door stop may comprise an arm located on the stopping member to allow a user to reposition the stopping member between a stopping position and a non-stopping position from the opposite side of the door to the stopping member.

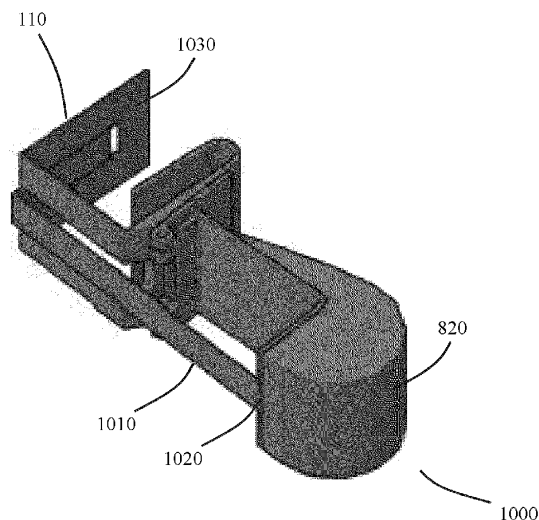


Figure 10A



EUROPEAN SEARCH REPORT

Application Number

EP 21 17 0885

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2012/223535 A1 (YATES KRISTIAN W [US]) 6 September 2012 (2012-09-06) * paragraphs [0072] - [0076]; figures 7-11 *	1-7, 12, 13	INV. E05F5/02 E05F5/04
X	US 2012/030902 A1 (DUFEK DONALD F [US]) 9 February 2012 (2012-02-09) * paragraphs [0047] - [0048]; figures *	1-8, 12, 13	
X	US 7 937 806 B1 (DOYLE JOHN J [US]) 10 May 2011 (2011-05-10) * column 10, line 58 - column 11, line 3; figures *	1, 2, 4, 5, 9, 10, 12, 13	
A	US 2009/255085 A1 (LORENZATI JAVIER A [ES]) 15 October 2009 (2009-10-15) * paragraph [0031]; figures *	10	
A	US 5 675 865 A (VAN DER STEUR GUNNAR [US]) 14 October 1997 (1997-10-14) * column 3, lines 23-27; figures *	10	
			TECHNICAL FIELDS SEARCHED (IPC)
			E05F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 30 September 2021	Examiner Witasse-Moreau, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-10, 12, 13

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 21 17 0885

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-10, 12, 13

Door stop comprising mounting means, a stopping member, an arm and a spring hinge to automatically actuate the stopping member into the stop position

2. claims: 1, 11, 14, 15

Door stop comprising mounting means, a stopping member, an arm and a motor or a locking device controlled by wireless signals for maintaining the stopping member in a position or actuating the stopping member.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 21 17 0885

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-09-2021

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	US 2012223535 A1	06-09-2012	NONE	

15	US 2012030902 A1	09-02-2012	NONE	

	US 7937806 B1	10-05-2011	NONE	

	US 2009255085 A1	15-10-2009	NONE	

20	US 5675865 A	14-10-1997	NONE	

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82