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(54) **Draft stopper device, particularly for hinged or sliding doors and similar door frames, as well as manufacturing method**

(57) A draft stopper device, particularly for hinged or sliding doors and similar fixtures, comprises a first, fixed, elongated profile (2) with a cross-section substantially in the form of an overturned U, which can be secured to the bottom edge (B) of a door (P), a second movable profile (3) which can be inserted inside the fixed profile (2) with the possibility of a limited degree of transverse movement with respect to the latter, fastening means (4, 5) able to connect together the fixed profile (2) and the movable profile (3) and limit the transverse movement, automatic actuating means (21) able to move the movable profile (3) away from the fixed profile (2) and bring it into contact with the floor (T) when the door (P) is in the closed position, and elastic opposing means for moving the movable profile (3) towards the fixed profile (2) when the door is in the open position. The movable profile (3) is made entirely of plastic material and has a box-shaped portion (22) with a closed cross-section for increasing its flexural and torsional rigidity.

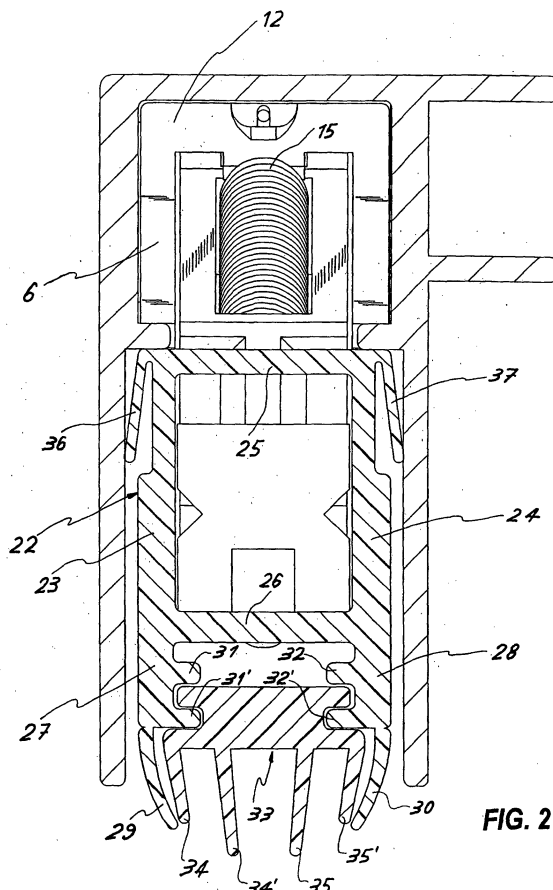


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 03 00 6309

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 918 132 A (KROSS MANFRED) 26 May 1999 (1999-05-26) * column 2, line 58 - column 3, line 30 * * figures 1,2,6 *	1,2,20	E06B7/215
Y		3,4,7	
A		5,6	
D,Y	----- EP 0 916 802 A (GERON LUIGI) 19 May 1999 (1999-05-19) * paragraph [0025] * * figure 2 *	3	
Y	----- PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) -& JP 10 238251 A (SHIBUTANI:KK), 8 September 1998 (1998-09-08) * abstract *	4,7	
A	----- PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11, 30 September 1998 (1998-09-30) -& JP 10 148068 A (NIPPON ITA GLASS KANKYO AMENITY KK), 2 June 1998 (1998-06-02) * abstract * * figure 2 *	1-3	TECHNICAL FIELDS SEARCHED (Int.Cl.7) E06B
P,X	----- EP 1 279 791 A (PLANET GDZ AG) 29 January 2003 (2003-01-29) * column 3, line 1 - line 11 * * column 3, line 42 - line 46 * * figures 1,4 *	1,2,7	
----- The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 June 2003	Examiner Geivaerts, D.
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			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims 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 the first ten claims.

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, 2-7



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LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 03 00 6309

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: 1,2-7

A removable seal connected to a movable profile in a draft stopper, whereby the removable seal is constructed in a way such that it can act as an effective sound barrier.

2. claims: 1,8-18

An articulated arm mechanism used in a draft stopper to move the movable profile of the draft stopper between a retracted and extended position.

3. claims: 1,19

Guide means for the fixed profile of a draft stopper when the draft stopper is used in a sliding door.

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

EP 03 00 6309

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
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18-06-2003

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