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(54) **Apparatus for cutting polymer films**

(57) Apparatus (1) for cutting polymer film, in particular cling-film, where the apparatus comprises a housing (4), which housing has at least four elements: two end-plates (2,3), a pivotable door (5) and an outer housing wall, where the door (5) is arranged as part of the outer housing wall, such that two openings are defined in either end of the housing (4), and the end-plates (2,3) when mounted in the openings in either end of the housing enclose a volume inside said housing, where the door (5) is arranged for pivotable movement relative to the housing wall, along a substantial part of the distance be-

tween the two end-plates (2,3), and where means are arranged inside the housing (4) for holding a roll (14) of polymer film, and where a first slit (6) is provided between the door (5) and the housing (4) opposite to where the door (5) is pivotably mounted to the housing (4), and where a second slit (8) is arranged in the door substantially parallel to the first slit (6), and a heatable filament (10) is arranged superposed the second slit (8), where said filament when the door (5) is flush with the housing does not project outside the housing (4), and which filament (10) is connected to means for heating the filament (10).

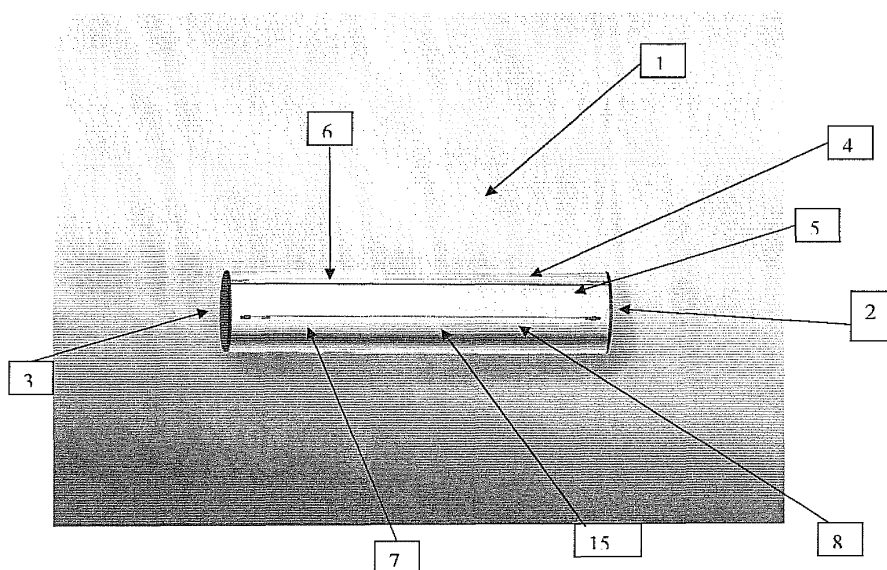


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 16 7894

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	WO 95/10475 A (CREATIVE PROD PTY LTD [AU]; MEYER DOLPH ALLAN [AU]) 20 April 1995 (1995-04-20) * the whole document *	1-2,5-7	INV. B65H35/00 B65H35/04
A	----- US 3 792 770 A (FREEMAN M) 19 February 1974 (1974-02-19) * the whole document *	3-4	
X	----- US 4 156 382 A (BAKER FRED E [US]) 29 May 1979 (1979-05-29) * the whole document *	1-2,5-7	
A	----- EP 1 757 549 A (SONOCO DEV INC [US]) 28 February 2007 (2007-02-28) * the whole document *	3-4	
X	----- US 4 156 382 A (BAKER FRED E [US]) 29 May 1979 (1979-05-29) * the whole document *	1-7	
A	----- EP 1 757 549 A (SONOCO DEV INC [US]) 28 February 2007 (2007-02-28) * the whole document *	1,7	
			TECHNICAL FIELDS SEARCHED (IPC)
			B65H
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		10 February 2010	Jezierski, Krzysztof
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

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

EP 09 16 7894

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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10-02-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9510475	A	20-04-1995	NONE	
US 3792770	A	19-02-1974	NONE	
US 4156382	A	29-05-1979	CA 1086690 A1	30-09-1980
EP 1757549	A	28-02-2007	AU 2006203650 A1	15-03-2007
			BR PI0603518 A	27-04-2007
			CA 2555112 A1	24-02-2007
			NZ 548362 A	28-03-2008
			US 2007044617 A1	01-03-2007