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(30) Priority: **03.03.2000 IT BO000108**

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(54) Method and unit for fringing sheet wrapping material

(57) A method and unit (1) for longitudinally fringing a strip (2) of wrapping material, wherein the strip (2) is step-fed through a fringing device (10), and, at each stop, the portion (2b) of the strip (2) at the fringing device

(10) is gripped between two jaws (14, 15) defining at least one comb (32), which extends along a longitudinal edge (2a) of the strip (2) and is engaged by a series of blades (38) arranged comb-fashion along a fringing roller (36).

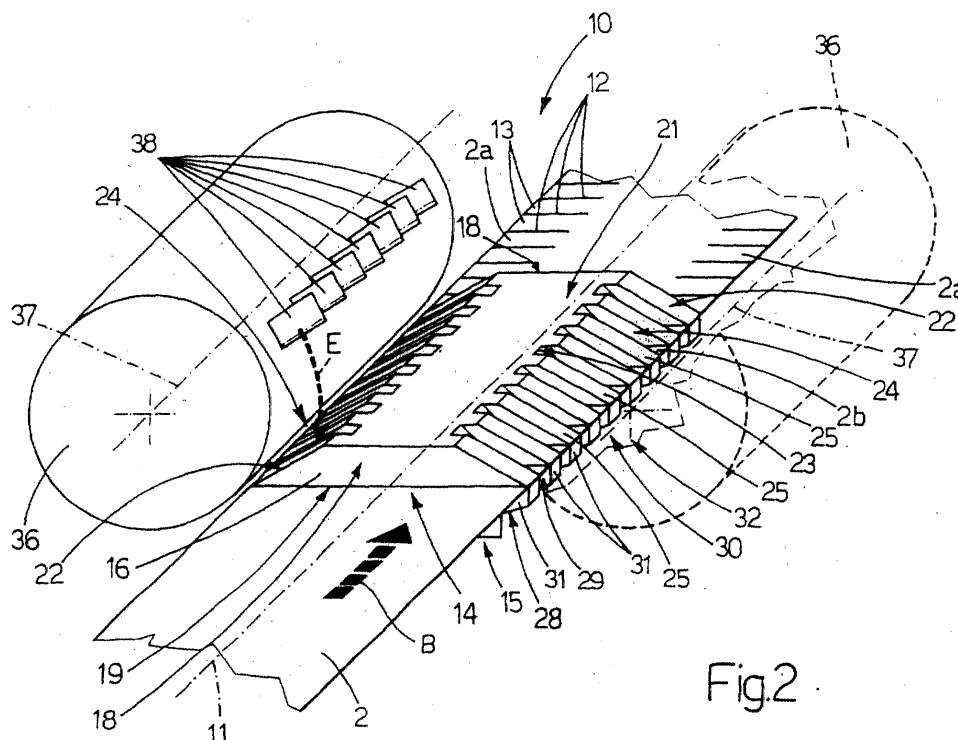


Fig.2

EP 1 129 830 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 4901

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	DE 496 528 C (HARTMANN)	1,3,5,7,9,10	B26D3/12
Y	* the whole document *	6,8,12-15	
Y	FR 745 829 A (ROSE BROTHERS LTD) 17 May 1933 (1933-05-17) * the whole document *	6,14,15	
Y	US 4 077 289 A (RUDSZINAT WILLY) 7 March 1978 (1978-03-07) * column 3, line 58 - line 67; figures *	8,12,13	
A	DE 380 794 C (WEBER) * the whole document *	1-19	
A	GB 504 770 A (FORGROVE MACH;LEONARD BROOK) 1 May 1939 (1939-05-01) * the whole document *	1-19	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B26D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		4 February 2002	Vaglianti, G
<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 &: member of the same patent family, corresponding document</p>			

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Application Number

EP 01 10 4901

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:



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 01 10 4901

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: 1-3, 5-8;9,10, 12-19

Method and apparatus for fringing sheet material having gripping means

2. Claim : 1+3+4; 9+10+11

Method and apparatus for fringing sheet material having a fringing roller with spirally arranged blades

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

EP 01 10 4901

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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04-02-2002

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