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(54) **ROLL OF ADHESIVE TAPE, PROCESS AND MACHINE TO MAKE SUCH A ROLL OF ADHESIVE TAPE**

(57) A roll (1) of adhesive tape is described as comprising: a film (2) having a first surface (21) covered with adhesive material and a second surface (22) opposite to the first surface (21), said film (2) being wound in coils (20) with the second surface (22) facing outwards and the first surface (21) facing inwards of the roll (1) so that the first surface (21) of a coil (20) is in contact with the second surface (22) of the adjacent internal coil (20); the film (2) has an external end (23) which is at least partly

free and an internal end at the first winding coil (201) of said film (2); a core (3) on which the film (2) is wound, the core (3) is placed at the internal end and in contact with the first surface (21) of the first winding coil (201); the core (3) is made by winding a strip (30) obtained from a sheet (5) in at least one winding coil.

A process and a machine (100) for making such a roll (1) of adhesive tape are also described.

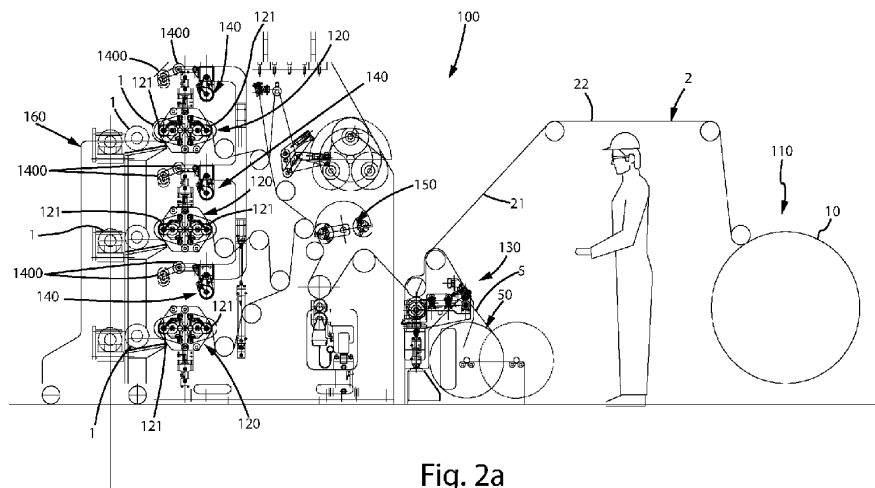


Fig. 2a



EUROPEAN SEARCH REPORT

Application Number

EP 23 21 7744

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EPO FORM 1503 03.82 (P04C01)

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 2010/320302 A1 (PAPPAS MICHAEL [US] ET AL) 23 December 2010 (2010-12-23)	1-12	INV.
A	* paragraphs [0003], [0019] - [0023], [0026] - [0037], [0049], [0054], [0061] - [0070] *	13-16	B65H19/22
	* figures 4A-4C, 5A, 6, 7A, 8H, 9A, 9B, 11B *		B65H19/28
A	US 3 770 542 A (HALL J ET AL) 6 November 1973 (1973-11-06)	2,6,7,9, 13-16	
	* column 1, lines 1-9, 47-59 *		
	* column 4, line 40 - column 5, line 48 *		
	* column 6, lines 23-54 *		
	* column 6, line 65 - column 7, line 8 *		
	* figures 1-3, 7, 9A *		
A	EP 1 380 526 A2 (FUJI IRON WORKS [JP]) 14 January 2004 (2004-01-14)	2,3,13	
	* paragraphs [0001], [0002], [0013] - [0019] *		
	* figures 1, 2, 4, 5A-5C, 7A-7C *		
X	EP 0 832 036 B1 (MINNESOTA MINING & MFG [US]) 30 October 2002 (2002-10-30)	13	
A	* paragraphs [0001], [0026] - [0030], [0034] - [0042], [0050] - [0059], [0062] - [0070] *	14-16	
	* figures 1, 2, 5a, 6, 7, 11 *		
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		22 October 2024	Cescutti, Gabriel
CATEGORY OF CITED DOCUMENTS		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	
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			



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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:

☐ 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 23 21 7744

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: 1-12

a process and a corresponding machine for making a roll of adhesive tape with an improved leading tail attachment during winding

2. claims: 13-16

a machine for making a roll of adhesive tape for producing simultaneously multiple tapes of different sizes.

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

EP 23 21 7744

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.

22-10-2024

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