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(54) **Module pouch machine**

(57) A pouch machine (100) includes a controller and first and second modules. Each module has a converting station and the electrical equipment needed to operate the station. The controller controls the converting stations and operating parameters are provided from one module to the next. Each module may be a processing zone (18, 19, 20) and include a registration sensor (22, 32, 42) and a drawroll (21, 34, 41; 401, 402) respon-

sive to the respective registration sensor. Accumulators (23, 33) may be provided in each processing zone. An edge sensor (417, 419) may be provided that senses the edge of the film in one or more modules. The draw roll assembly (403) is mounted on a moveable frame, and is angled in response to the location of the sensed edge. Multiple such assemblies may be included on a single machine.

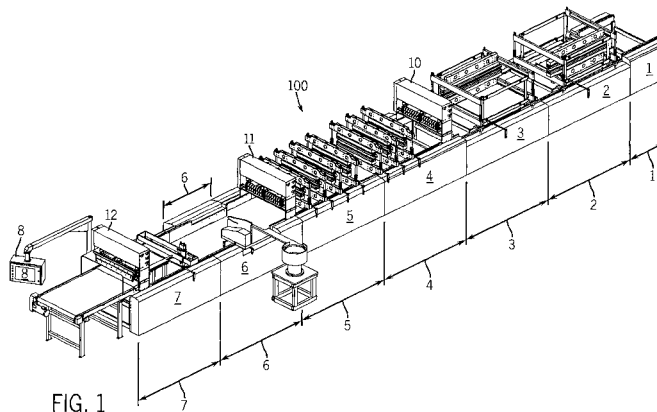


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
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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 (Int.Cl.7)
X	CA 2 142 480 A (CLOUD CORP) 18 August 1995 (1995-08-18) * the whole document *	1-25	B31B1/74 B31B23/00 B31B19/90
A	US 4 611 799 A (NUTTIN PIERRE) 16 September 1986 (1986-09-16) * claims; figures *	1-25	
A	EP 0 714 829 A (OSTMA MASCHINENBAU GMBH) 5 June 1996 (1996-06-05)		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B31B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		14 February 2003	Pipping, L
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 0575

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.

14-02-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CA 2142480	A	18-08-1995	CA 2142480 A1	18-08-1995
US 4611799	A	16-09-1986	BE 865622 A1	31-07-1978
			BE 869692 A4	01-12-1978
			BR 7902029 A	27-11-1979
			CA 1117089 A1	26-01-1982
			CH 628855 A5	31-03-1982
			DE 2848134 A1	04-10-1979
			FR 2436734 A1	18-04-1980
			GB 2022058 A ,B	12-12-1979
			IT 1100873 B	28-09-1985
			JP 54158573 A	14-12-1979
			NL 7902551 A ,B,	05-10-1979
			SE 446523 B	22-09-1986
			SE 7811441 A	04-10-1979
EP 0714829	A	05-06-1996	DE 29503390 U1	27-04-1995
			DE 29501052 U1	16-03-1995
			DE 29503391 U1	27-04-1995
			EP 0714828 A2	05-06-1996
			EP 0714829 A2	05-06-1996
			US 5661948 A	02-09-1997