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54 **Improvements to machines for cone-shaping and flanging of aerosol cans and similar.**

57 A machine (2) for the cone-shaping of cans (16), of aerosol type, or similar, presents improvements in its basic parts. In particular, in it the rotator (38) holding the pliers (39) and the plate (53) holding dies (45) and spindles (65) are rapidly interchangeable, and all operations of replacement of the drums (11) of loading and (71) of discharge and the regulating shims (10) and filling of the feed lung are also rapid. The same machine, equipped with means of control and safety, is ready to be interfaced with an electronic line processor. To said machine are preferably coupled pliers (39) in which a pushing means (104) is equipped with a calibrated force sufficient to keep permanently in contact the ejector piston (106) with the bottom (108) of an object or can (16), fixed in position in a special seat (102). In said position the object (16) is held by peripheral pliers (107). Said calibrated force of the pusher (104) keeps the extractor piston (106) in contact with the bottom (108) also when the object (16) must undergo undesired displacements, in which case a proximity sensor (109) is capable of detecting the corresponding alignment displacement of a reference (118), integral to the same piston (106) and intervening on the stopping means of the operating machines.

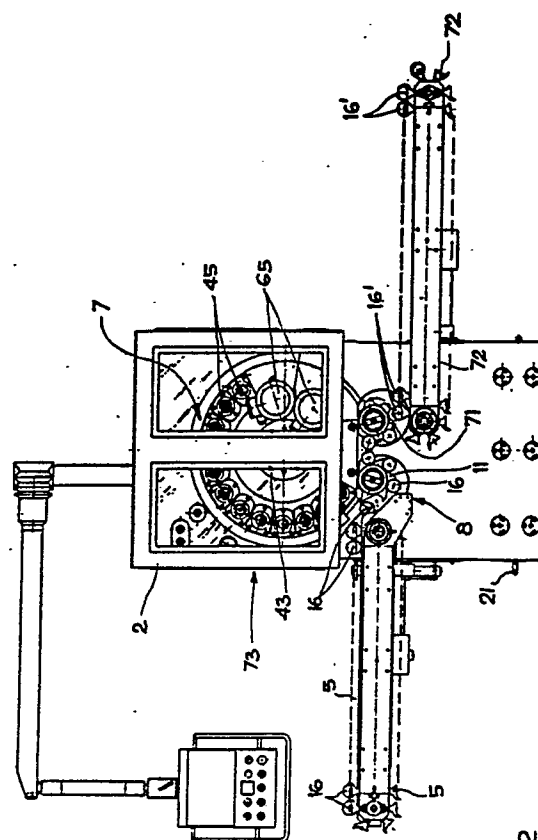


Fig. 2

EP 0 275 369 A3



European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 87 11 5157

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.4)
Y	US-A-3 693 567 (D.P. DALMAN) * claims 1-4; figures 1,3 * ---	1,4	B 21 D 51/26
Y	US-A-4 091 757 (J.J. URBAN) * claims 1,2; figures 1,4 * ---	1,4	
A	US-A-3 913 366 (R.J. NELSEN et al.) * claim 1; figures 3,4,5 * ---	1,8	
A	GB-A-1 486 544 (NATIONAL CAN CORP.) * claims 1,2 * ---	1	
A	GB-A-1 457 623 (STANDUN, INC.) * claim 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 21 D 51/00
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
BERLIN		30-08-1988	SCHLAITZ J
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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