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(54) **Device for automatically removing wrongly oriented elements from a supply line of caps, plugs or generally concave elements**

(57) In a capping unit for containers comprising a cap hopper, at least one capper and a line for supplying the caps from the hopper to the capper, a device for automatically ejecting all wrongly oriented caps from the supply line comprising a mechanical sensor for stopping

the train of caps along the line, an optical member for detecting the wrongly oriented caps, a mechanical ejector controlled by the optical member that ejects the wrongly oriented cap through an opening formed in the line and closed by a spring-operated lid.

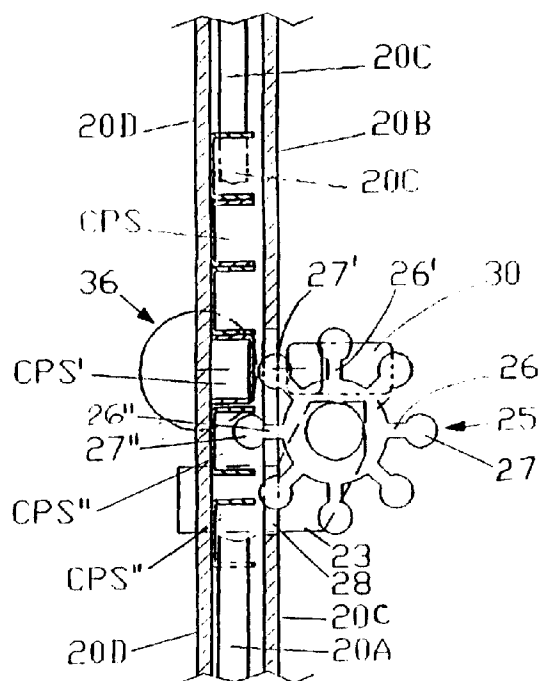


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 96 83 0002

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.6)
A	EP 0 343 922 A (GRAHAM ET AL) * the whole document * ---	1-4	B07C5/02
A	EP 0 405 017 A (MACHINEFABRIEK "CSW") * the whole document * -----	1,4,5	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B07C B67B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 January 1998	Examiner Forlen, G
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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