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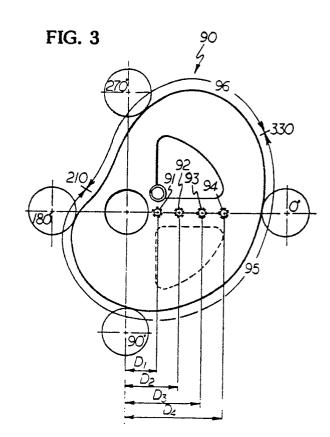
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## **EUROPEAN PATENT APPLICATION**

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- ② Date of filing: 21.11.88

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- Improved mechanism for glass container inspection apparatus.
- (57) An improved mechanism for coordinating the transport of a glass container through an inspection zone with the movement of an inspection head relative to the container. In a plug gager, a carriage (16) which holds the plug gage (13) is moved in the direction of container travel by a cam (90), while an eccentrically-mounted bearing moves the plug gage vertically to penetrate the container finish. The invention provides an improved cam profile (95) to provide an increased maximum stroke (amount of gage penetration) making the apparatus adaptable to a wider range of container sizes. Relative to prior art cams for apparatus of this type, the constant velocity segment of the cam motion is extended. A similar adaptation to a leak detector utilizing this cam-driven carriage and inspection head arrangement lengthens the segment of each cycle during which inspection occurs, increasing the sensitivity of the system. In a check detector utilizing this arrangement, this improved cam-driven mechanism provides increased inspection speed and accuracy, and allows better stopping of containers at high speeds.



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## **EUROPEAN SEARCH REPORT**

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i	DOCUMENTS CONSID		17 1		
Category	Citation of document with indi of relevant passa	cation, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)	
D,A	US-A-3 387 704 (POWE * Whole document *	ERS MANUFACTURING)	1,3,4	B 07 C 5/12 F 16 H 25/00	
Α	US-A-4 399 916 (COC/ * Column 4, line 11 - 53; figures 1-3 *	A-COLA) - column 6, line	1,3-5	F 16 H 25/14	
Α	GB-A- 736 582 (RUS' * Whole document *	ΓΟΝ & HORNSBY)	1,2		
A	US-A-3 541 883 (US E * Whole document * 	BAIRD)	1,2		
				TECHNICAL FIELDS	
				SEARCHED (Int. Cl.4)	
				B 07 C F 16 H	
	The present search report has bee	n drawn up for all claims			
Place of search Date of completion of the search			<del>-                                    </del>	Examiner	
THE HAGUE		18-12-1989	FORLEN G.A.		
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		E : earlier patent after the filin er D : document cit L : document cite	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		
P: int	n-written disclosure ermediate document	&: member of the document	ie same patent fami	ly, corresponding	