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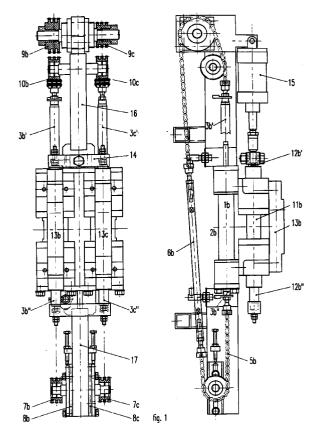
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## (54) Process and device for dosing and extrusion of bicomponent sealant

(57) The present application relates to a procedure and a device for extruding, according to a variable volumetric ratio, liquid components, including very high viscosity components, called the base product and the catalyst, of a dual-component sealant (or in any case a dual-component product) and pumping them into other devices such as a mixer and an extrusion gun.

The device is made up of two dosing cylinders (1b,1c), (the base product cylinder that functions as the 'master' cylinder and the catalyst cylinder that functions as the 'slave' cylinder), whose pistons (2b,2c) are driven by rods (3b,3c) placed parallel between themselves. The piston stroke of the 'master' cylinder is driven by the pressure of the base product obtained by means of a pump that suctions the product out of a drum, while the movement of the 'slave' cylinder rod is driven by a mechanical transmission which is set in motion by the 'master' cylinder rod. The pump that suctions the catalyst therefore only feeds the 'slave' cylinder. The mechanical transmission between the movement of the 'master' cylinder rod and the 'slave' cylinder rod, is variable due to the substitution of the components of the kinematic movement but is strictly constant during piston strokes. Appropriate valves, such as slide valves, enable the device to function continuously insofar as they invert the piston strokes when the base product piston comes to its stroke end.



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## **EUROPEAN SEARCH REPORT**

Application Number EP 97 10 4209

Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)	
Х	GB 1 334 443 A (FERRARI * the whole document *	A)	1-3	B05C5/02 B05C11/10	
Х	US 4 150 769 A (JAMES J * column 2, line 13 - c figures 2,3 *	IAMES R) column 3, line 51;	1-3	B01F15/04 E06B3/673	
		· <b>-</b>			
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)	
				B05C B29B B01F E06B	
	The present search report has been d	rawn up for all claims			
Place of search		Date of completion of the search		Examiner	
THE HAGUE		5 November 1997	Jug	Juguet, J	
X : parl Y : parl doci A : tech	ATEGORY OF CITED DOCUMENTS  icularly relevant if taken alone icularly relevant if combined with another ument of the same category inological backgroundwritten disclosure	E : earlier patent o after the filing o D : document cite L : document cite	iple underlying the locument, but publi late d in the application i for other reasons same patent family	shed on, or	