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EUROPEAN PATENT APPLICATION

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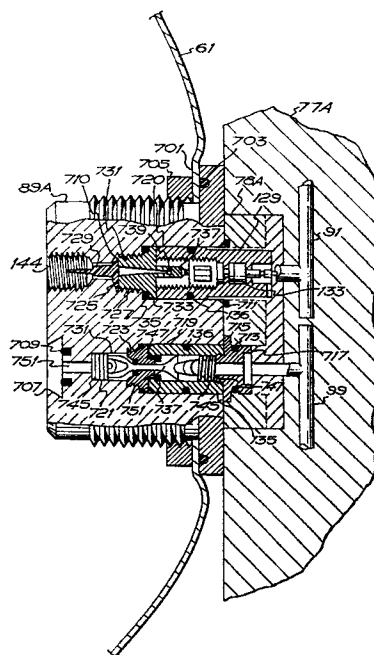
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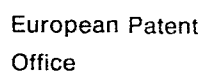
54 **In-home drink dispenser.**

57 The invention provides improvements on beverage dispensers. Check valves (731) in a carbonator coupling on the water side comprise a stem, a sealing conical and a cylindrical section. A pair of cuts formed in said cylindrical section and intersecting with the conical section provide smooth flow passages. Alternatively check valves comprise an elastic sleeve. Further a manifold is proposed comprising check valves at the coupling on gas and water side and comprising passages for gas and diluent leading to rotary dispensing valves operated by a pneumatically controlled mechanism of the cylinder and piston type.





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 83105529.8
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
D,Y	EP - A2 - 0 022 589 (CADBURY SCHWEPPES LIMITED) * Claims 13-15,18,20,23,24, 26,27; fig. 3,5,6,6a-6c,8, 10,26 * ---	1-3	B 67 D 1/00 B 67 D 1/08
Y	CH - A - 472 332 (WALTER FRANKE AG) * Column 1, lines 23-29; column 4, lines 8-30; main claim; claims 2,3; fig. * ---	1-3	
Y	US - A - 3 258 166 (KÜCKENS) * Column 5, lines 7-13; claim 4; fig. 3 * ---	1-3	
Y	GB - A - 1 310 674 (BASS CARRINGTON LIMITED) * Page 1, lines 81-92; page 2, lines 1-3, 34-43; claims 5,6; fig. 1,5,6 * ---	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) B 67 C 3/00 B 67 D 1/00 B 67 D 3/00 B 67 D 5/00 F 15 B 15/00 F 16 K 1/00
Y	DE - C - 39 005 (HAZLET) * Page 2, lines 12,13 * ---	1-3	
Y	US - A - 3 325 053 (DE BOER) * Fig. 3 * ---	1-3	
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 11-04-1984	Examiner TROJAN
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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