



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11)

**EP 1 134 320 A3**

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
**07.11.2001 Bulletin 2001/45**

(51) Int Cl.7: **E03C 1/04**

(43) Date of publication A2:  
**19.09.2001 Bulletin 2001/38**

(21) Application number: **00128528.7**

(22) Date of filing: **27.12.2000**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**  
Designated Extension States:  
**AL LT LV MK RO SI**

(72) Inventor: **Moia, Giorgio**  
**28010 Bolzano Novarese (IT)**

(74) Representative: **Eccetto, Mauro et al**  
**Studio Torta S.r.l.,**  
**Via Viotti, 9**  
**10121 Torino (IT)**

(30) Priority: **10.03.2000 IT TO000228**

(71) Applicant: **HESA S.r.l.**  
**28017 San Maurizio D Opaglio (IT)**

### (54) Three-part tap assembly

(57) A three-part tap assembly (1) fittable to a supporting surface (3) has a water spout (5) having two inlet channels (19); and two taps (25) for regulating hot and cold water flow to the spout (5); each tap (25) has a respective main body (26) in turn having a water inlet opening (35), an outlet opening (36) connectable to a

channel (19) of the spout (5), and a seat (42) engaged in fluidtight manner by a flow regulating device (44); and each main body (26) is defined by a mating surface (28) placed on the supporting surface (3) and fixed to the supporting surface (3), and extends substantially completely on one side of the mating surface (28).

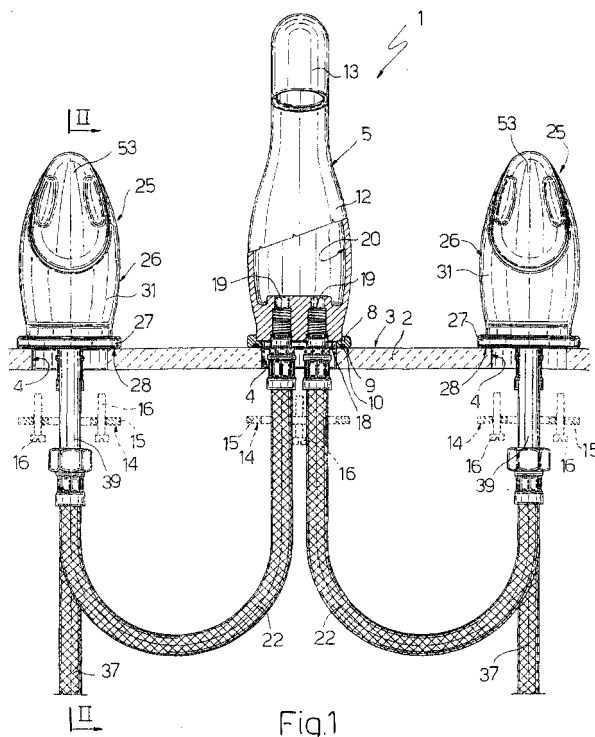


Fig.1

EP 1 134 320 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 00 12 8528

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.7)
X	DE 297 15 985 U (BRUSE KG ARMATURENFABRIK GEB) 23 October 1997 (1997-10-23) * page 3, line 15 - page 4, line 16 *	1-3,6-9	E03C1/04
Y	* figure 1 *	4,5	
Y	DE 195 16 336 A (ORAS OY) 16 November 1995 (1995-11-16) * column 2, line 35 - column 3, line 11 * * figures 2,3 *	4,5	
X	EP 0 386 647 A (ORAS OY) 12 September 1990 (1990-09-12) * figure 3 *	9	
A	US 5 257 645 A (PARSO RICHARD A ET AL) 2 November 1993 (1993-11-02) * column 2, line 37 - line 49 * * figure 1 *	4,5	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E03C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		13 September 2001	Urbahn, S
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/92 (P44001)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 8528

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-09-2001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 29715985	U	23-10-1997	DE 29715985 U1	23-10-1997
DE 19516336	A	16-11-1995	FI 942235 A	14-11-1995
			DE 19516336 A1	16-11-1995
			FR 2719884 A1	17-11-1995
			SE 510122 C2	19-04-1999
			SE 9501763 A	14-11-1995
EP 0386647	A	12-09-1990	FI 891084 A	08-09-1990
			AT 92164 T	15-08-1993
			DE 69002350 D1	02-09-1993
			DE 69002350 T2	04-11-1993
			DK 386647 T3	27-09-1993
			EP 0386647 A1	12-09-1990
			ES 2044271 T3	01-01-1994
			NO 901047 A	10-09-1990
US 5257645	A	02-11-1993	NONE	

EPC FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82