



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
18.12.2002 Bulletin 2002/51

(51) Int Cl.7: **E03C 1/33, F16B 2/24**

(43) Date of publication A2:
18.04.2001 Bulletin 2001/16

(21) Application number: **00308953.9**

(22) Date of filing: **11.10.2000**

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

(71) Applicant: **Springfast Limited**
Gloucester GL4 3YY (GB)

(72) Inventor: **Parker, Gary**
Stonehouse, Gloucestershire GL10 3LH (GB)

(30) Priority: **13.10.1999 GB 9924080**
23.08.2000 GB 0020663

(74) Representative: **Ratcliffe, Susan Margaret et al**
Wynne-Jones, Lainé & James,
22 Rodney Road
Cheltenham, Gloucestershire GL50 1JJ (GB)

(54) **Improvements relating to fasteners**

(57) A fastener for securing a sink unit (21, 33) in a worktop has a clip (1, 24) for attachment to a stud (22, 31) below the periphery of the unit and a hinged clamping member (14) which is tightened up against the underside of the worktop by a screw (18). This threads through the hinge pin (17) and when undone allows the

clamping member (14) to swing back to an inoperative position when it will clear the edge of the hole in the worktop as the unit is lowered in. The stud (22, 31) is of inverted mushroom form and the clip (1, 24) of inverted L-shape with the horizontal leg (7, 29) having a slot (9, 27) with opposed edges shaped to snap around the stem of the stud (22, 30).

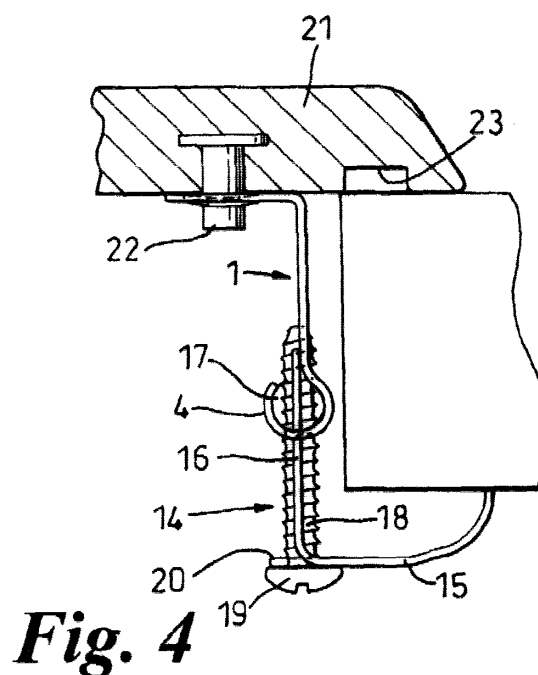


Fig. 4



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 8953

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	EP 0 271 705 A (NIRO PLAN AG) 22 June 1988 (1988-06-22) * column 4, line 47 - column 5, line 2; figures 4-6 *	1	E03C1/33 F16B2/24
D,Y	GB 2 285 480 A (SPRINGFAST LTD) 12 July 1995 (1995-07-12) * abstract; figure 4 * * page 2, line 1 - line 8 * * page 3, line 4 - line 12 *	1,2,4,6	
Y	GB 1 230 117 A (WARREN FASTERNER CORP.) 28 April 1971 (1971-04-28) * column 1, line 24 - line 31; figures 1,2,7 * * column 2, line 56 - line 80 *	1,2,4,6	
A	GB 2 010 376 A (ITW INC) 27 June 1979 (1979-06-27) * page 1, line 99 - line 104; figure 4 *	1,3,4	
A	EP 0 066 140 A (NIRO PLAN AG) 8 December 1982 (1982-12-08) * column 2, line 14 - line 23; figures 1,2 * -----	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7) E03C F16B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 23 October 2002	Examiner Flygare, E
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	

EPO FORM 1503 03 82 (P04C01)

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

EP 00 30 8953

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.

23-10-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0271705	A	22-06-1988	DE 3643488 A1	30-06-1988
			EP 0271705 A1	22-06-1988

GB 2285480	A	12-07-1995	NONE	

GB 1230117	A	28-04-1971	BE 723520 A	16-04-1969
			CH 482121 A	30-11-1969
			DE 1807112 A1	24-07-1969
			ES 161909 Y	16-10-1971
			FR 1603468 A	19-04-1971
			NL 6815831 A	09-05-1969
			SE 353683 B	12-02-1973
			US 3438664 A	15-04-1969

GB 2010376	A	27-06-1979	DE 2850122 A1	07-06-1979
			SE 7811256 A	21-06-1979

EP 0066140	A	08-12-1982	AT 10019 T	15-11-1984
			DE 3261047 D1	29-11-1984
			EP 0066140 A1	08-12-1982
			GR 76004 A1	03-08-1984
			DE 3127894 A1	16-12-1982
