



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
17.12.2008 Bulletin 2008/51

(51) Int Cl.:
E04F 15/024 (2006.01)

(43) Date of publication A2:
29.11.2006 Bulletin 2006/48

(21) Application number: **06010223.3**

(22) Date of filing: **18.05.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

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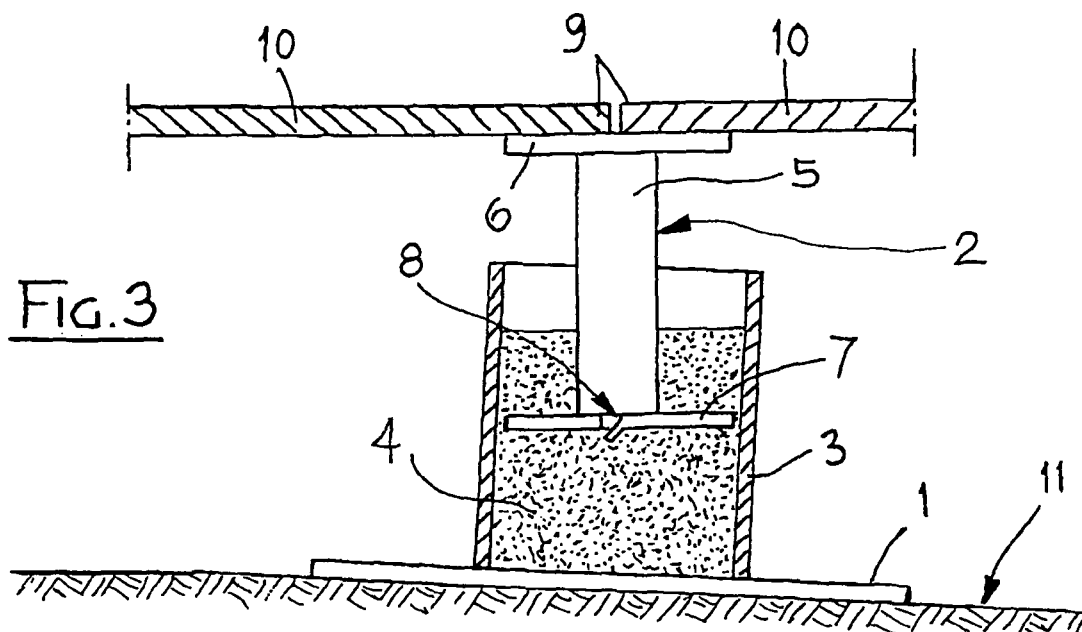
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(30) Priority: **23.05.2005 IT RE20050058**

(54) **Leveling support for raised flooring**

(57) A leveling support for raised flooring is composed of an open top container (3), which is at least partly filled with sand, in bulk or packed in a non-rigid cartridge (4') or bag (4''), adaptable to the shape of the container. An anchor base (7) is engaged and adjusted to the horizontal position on the bulk sand or non-rigid cartridge or

bag in the container (3) in a partly embedded or lying position, for anchorage of a movable member (2) supporting a cap (6), which is designed to support and/or retain the corners (9) and/or the flooring structures (10), such as: slabs, platforms, tiles, boards, planks and the like.





EUROPEAN SEARCH REPORT

Application Number
EP 06 01 0223

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	JP 07 189460 A (SUZUKI SHINICHI) 28 July 1995 (1995-07-28) * abstract *	1,4,5, 7-13	INV. E04F15/024
A	-----	6	
Y	GB 2 164 073 A (THORNHILL BRIAN; WOOLLEY JOSEPH GEORGE) 12 March 1986 (1986-03-12) * page 1, lines 9-17,74-79 * * page 2, lines 5-9,30-38,108-110 * * page 3, lines 1-5,43-53,75-77 * * figures 1-11 *	1,4,5,7, 11,12	
Y	US 3 318 057 A (NORSWORTHY GEORGE R) 9 May 1967 (1967-05-09) * column 2, lines 66-70 * * column 3, lines 2-5 * * column 4, lines 57-61,70,71 * * column 5, lines 11-21,38-44 * * column 6, lines 21-46 * * figures 1-16 *	1,8,10, 11	
Y	DE 30 22 142 A1 (SCHMIDT REUTER [DE]) 24 December 1981 (1981-12-24) * page 12, line 24 - page 13, line 3 * * page 15, lines 10-12,20-23 * * page 12, line 1 - page 15, line 29 * * figures 1-5 *	1,9,11	TECHNICAL FIELDS SEARCHED (IPC) E04F H02G E04D E04B
Y	JP 08 226219 A (SUZUKI SHINICHI) 3 September 1996 (1996-09-03) * abstract *	1,13	
A	-----	4-8,12	
A	GB 1 280 953 A (HOELLFRITSCH ERICH [DE]) 12 July 1972 (1972-07-12) * page 1, lines 16-21 * * page 2, lines 30-40 * * figures 1-4 *	1-3	
	----- -/--		
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 November 2008	Examiner Ayiter, Johan
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)



EUROPEAN SEARCH REPORT

Application Number
EP 06 01 0223

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	DE 198 36 370 A1 (KRINNER KLAUS [DE]) 24 February 2000 (2000-02-24) * column 2, lines 13-15,40-43 * * column 4, lines 37-42 * * page 6, lines 51-53 * * figures 1-3 *	1,13	
A	JP 62 072821 A (SUZUKI SHINICHI) 3 April 1987 (1987-04-03) * abstract *	1,4,5,7, 8,11	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 November 2008	Examiner Ayiter, Johan
<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 & : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

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

EP 06 01 0223

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.

11-11-2008

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 7189460	A	28-07-1995	JP	2554992 B2	20-11-1996
GB 2164073	A	12-03-1986	NONE		
US 3318057	A	09-05-1967	NONE		
DE 3022142	A1	24-12-1981	NONE		
JP 8226219	A	03-09-1996	NONE		
GB 1280953	A	12-07-1972	AT	305588 B	12-03-1973
			BE	748127 A1	31-08-1970
			CH	523402 A	31-05-1972
			DE	1916918 B1	29-10-1970
			ES	377344 A1	16-03-1973
			FR	2042860 A5	12-02-1971
			JP	48038176 B	15-11-1973
			NL	7004149 A	06-10-1970
			NO	125408 B	04-09-1972
			SE	351693 B	04-12-1972
			SU	427523 A3	05-05-1974
DE 19836370	A1	24-02-2000	AT	268422 T	15-06-2004
			AU	5420799 A	06-03-2000
			CZ	20010520 A3	12-09-2001
			DE	29923796 U1	03-05-2001
			WO	0009833 A1	24-02-2000
			EP	1105597 A1	13-06-2001
			ES	2217798 T3	01-11-2004
			PL	346050 A1	14-01-2002
			US	7007910 B1	07-03-2006
JP 62072821	A	03-04-1987	JP	1678005 C	13-07-1992
			JP	3040769 B	20-06-1991

EPO FORM P0459

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