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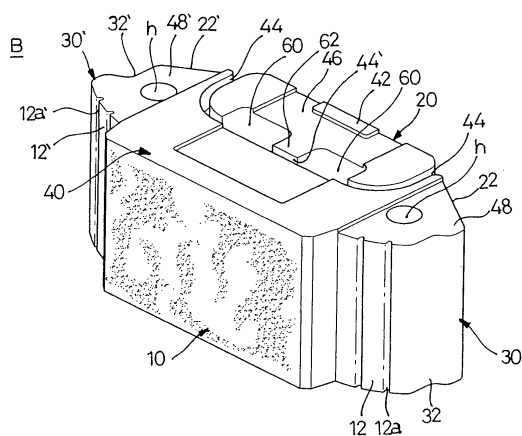
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(54) **A block for constructing reinforced earth wall**

(57) Disclosed is a block for the construction of a reinforced soil segmental retaining wall. The block includes a front surface (20), a rear surface (20), left and right lateral surfaces (30 and 30'), an upper surface (40) having a pair of left and right reinforcement insertion grooves (44), and a lower surface (50) opposite to the upper surface (40). A pair of anchor pin insertion bores (h) extend vertically at left and right sides of the upper and lower surfaces (40 and 50) so that anchor pins (P) are inserted therethrough to connect vertically neighbouring blocks. Also, a pair of through-passages (60) extend vertically from the upper surface (40) to the lower surface (50) to be laterally spaced apart from each other by interposing a partition (52). The through-passages (60) are located to lock the anchor pins (P) inserted through the anchor pin insertion bores (h) of overlying blocks. The reinforcement insertion grooves (44) are located at opposite sides of the through-passages (60) so that the leading end of the reinforcement (80) is directly fitted through the insertion grooves (44) while coming into contact with front ends of the through-passages (60). Another reinforcement insertion groove (44') is formed along the front end of the partition (62) so that the middle portion of the reinforcement (80) is fitted to allow the reinforcement (80) to extend rearward through the reinforcement insertion grooves (44).

FIG. 1





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
E	WO 2005/116347 A (LEE JEUNG SU [KR]) 8 December 2005 (2005-12-08) * abstract; figures 1-3,6,25,26,37,40-42,45 *	1-9	INV. E02D29/02
A	WO 03/006748 A (KEYSTONE RETAINING WALL SYSTEM [US]) 23 January 2003 (2003-01-23) * abstract; figures 1,5,11 *	1,3,9	
A	WO 2004/053239 A (LEE JEUNG SU [KR]) 24 June 2004 (2004-06-24) * figures 1-5,9-14 *	1,3,9	
A	WO 97/44533 A (NETLON LTD [GB]; WRIGLEY NIGEL EDWIN [GB]; DOBIE MICHAEL JOHN DAVID [I]) 27 November 1997 (1997-11-27) * abstract; figures 1-6 *	1,3	
A	WO 95/33893 A (TENSAR CORP [US]) 14 December 1995 (1995-12-14) * abstract; figures 1-3,8,12,19 *	1,3	
A	US 5 702 208 A (HILFIKER WILLIAM K [US] ET AL) 30 December 1997 (1997-12-30) * abstract; figures 1,3,14,16 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) E02D
Place of search Munich		Date of completion of the search 27 June 2008	Examiner Fernandez, Eva
<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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EP 05 07 7706

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The members are as contained in the European Patent Office EDP file on
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27-06-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005116347 A	08-12-2005	EP 1749135 A1	07-02-2007
		US 2005265792 A1	01-12-2005
WO 03006748 A	23-01-2003	CA 2453370 A1	23-01-2003
		EG 23197 A	31-07-2004
		EP 1415052 A2	06-05-2004
		MX PA04000336 A	04-05-2004
		NZ 530547 A	29-09-2006
		US 2003118410 A1	26-06-2003
		US 2003012608 A1	16-01-2003
WO 2004053239 A	24-06-2004	AU 2003272135 A1	30-06-2004
		US 2006051166 A1	09-03-2006
WO 9744533 A	27-11-1997	AU 2782197 A	09-12-1997
		DE 69724609 D1	09-10-2003
		DE 69724609 T2	05-08-2004
		EP 0900304 A1	10-03-1999
		ES 2202612 T3	01-04-2004
		GB 2313867 A	10-12-1997
		HK 1003660 A1	20-04-2001
		ID 17215 A	11-12-1997
		US 6019550 A	01-02-2000
WO 9533893 A	14-12-1995	AT 225441 T	15-10-2002
		AU 694779 B2	30-07-1998
		AU 2641795 A	04-01-1996
		BR 9507928 A	09-09-1997
		CA 2189538 A1	14-12-1995
		CN 1164265 A	05-11-1997
		DE 69528457 D1	07-11-2002
		EP 0764229 A1	26-03-1997
		JP 2974783 B2	10-11-1999
		JP 10501313 T	03-02-1998
		NO 965206 A	06-12-1996
		NZ 287641 A	28-07-1998
US 5702208 A	30-12-1997	US 5484235 A	16-01-1996