



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
30.10.2013 Bulletin 2013/44

(51) Int Cl.:
E04G 23/02 (2006.01)

(43) Date of publication A2:
17.11.2010 Bulletin 2010/46

(21) Application number: **10004866.9**

(22) Date of filing: **07.05.2010**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
Designated Extension States:
BA ME RS

(72) Inventors:
• **Mägi, Arvu**
13918 Tallinn (EE)
• **Lipson, Joel**
13422 Tallinn (EE)

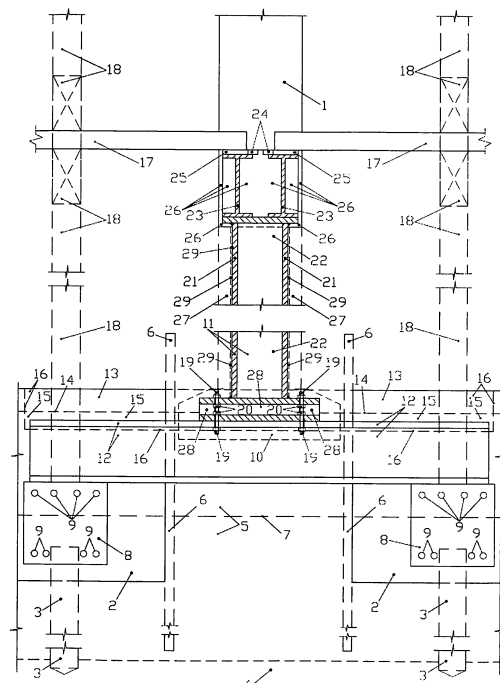
(30) Priority: **08.05.2009 EE 200900045 U**

(74) Representative: **Koitel, Raivo et al**
Koitel Patent & Trademark Agency
PO Box 1759
10902 Tallinn (EE)

(71) Applicant: **AS Amhold**
10615 Tallinn (EE)

(54) **Method for replacing a loadbearing wall**

(57) The presented solution concerns the replacement of a loadbearing wall (1) on infirm soil. For this a recess (2) is created on both sides of the loadbearing wall (1), piles (3) are driven at the bottom and the recess is supported with a temporary supporting wall (6). On-pile foundation (8) is built on top of the piles (3). Cross-beams (12) are installed under the loadbearing columns (11) supporting the loadbearing wall (1), and the recess (2) is backfilled and compacted. Temporary supports (18) are installed on both sides of the loadbearing wall (1) on all floors, and openings are cut into the loadbearing wall (1) for loadbearing columns (11), and the loadbearing columns (11) are installed to cross-beams (12). Then a hole is cut for the loadbearing beams (23) into the loadbearing wall (1) for a half of its thickness under the ceiling structure (17), and first one loadbearing beam (23) and then the second loadbearing beam (23) is mounted to the loadbearing columns (11), the space between the loadbearing beams (23) is filled with a fire-retardant and sound insulating material (26) and then the section (27) of the loadbearing wall under the loadbearing beams (23) is demolished. Then the previous installation of loadbearing columns and the loadbearing beam is repeated in all the spaces between the columns until the whole column-beam system is complete.





EUROPEAN SEARCH REPORT

Application Number
EP 10 00 4866

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	GB 2 413 353 A (JANJIC SERGE [GB]) 26 October 2005 (2005-10-26) * figure 2 *	1-6	INV. E04G23/02
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A	DE 203 17 225 U1 (SCHOECK ENTWICKLUNGSGMBH [DE]) 8 January 2004 (2004-01-08) * paragraphs [0016], [0017]; figure 1 *	1-6	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 September 2013	Examiner Saretta, Guido
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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EPO FORM 1503 03.82 (P04C01)

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

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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
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25-09-2013

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EPO FORM P0459

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