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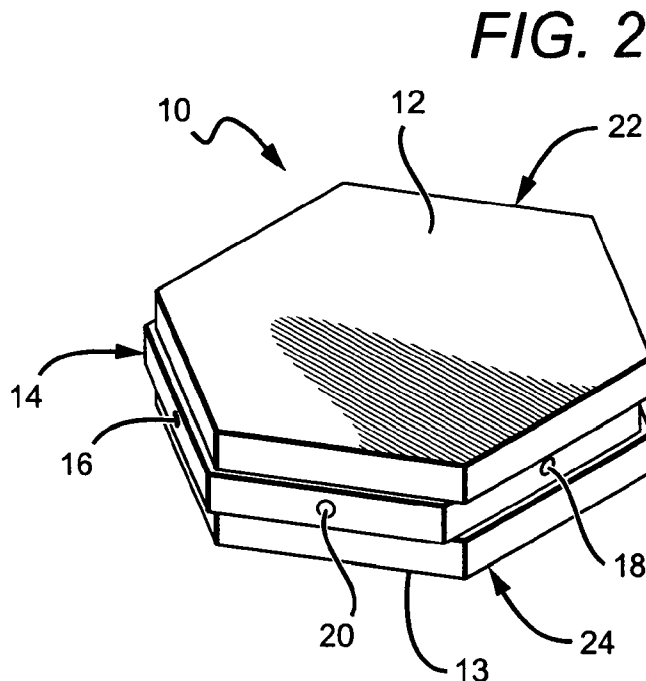
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[Continued on next page]

(54) Title: MODULAR FOUNDATION SYSTEM AND METHOD



(57) Abstract: The present invention is directed to a customizable, modular foundation system using blocks and post-tensioning for improved structural integrity of the foundation. In some embodiments, the improved foundation system is provided by post-tensioning a plurality of blocks together such that cables or bars used for tensioning run in different directions than any of the joint lines between adjacent blocks. In this way, there are no bendable joints between adjacent blocks. Moreover, in some embodiments the blocks are hexagonal, such that each block has six sides and post-tensioning cables can run in at least three different directions. Structures or apparatuses may be secured to the foundation comprised of multiple blocks, with the foundation being rigid, customizable, and both assembled and usable in any desired location.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/002544**A. CLASSIFICATION OF SUBJECT MATTER****E02D 27/01(2006.01)i, E02D 27/42(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

E02D 27/01; E01C 5/00; E02B 3/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: foundation system, block, hole, cable, bar, surface, post-tension, pre-cast, and hexagonal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6739797 B1 (SCHNEIDER; THOMAS W.) 25 May 2004 see claims 1-30 and figures 1-20.	1-25
A	US 04372705A A (ATKINSON; FRANCIS S.) 08 February 1983 see page 5, line 60 - page 9, line 20; claims 1-17 and figures 1-8.	1-25
A	KR 20-0366906 Y1 (SEON ENGINEERING) 09 November 2004 see claim 1 and figures 1-4.	16-25

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6739797 B1	25.05.2004	AU 2001-25929 A1 CA 2395433 A1 WO 01-46524 A1	03.07.2001 28.06.2001 28.06.2001
US 04372705A A	08.02.1983	EP 0064543 A1 EP 0064543 A4 EP 0064543 B1 WO 82-01731 A1	17.11.1982 11.12.1984 12.10.1988 27.05.1982
KR 20-0366906 Y1	09.11.2004	None	