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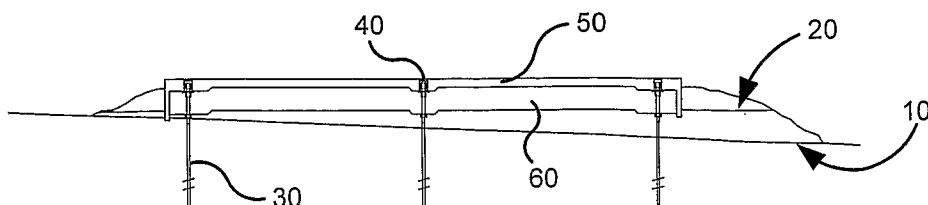
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(54) **Title:** HEIGHT-ADJUSTABLE, STRUCTURALLY SUSPENDED SLABS FOR A STRUCTURAL FOUNDATION



(57) **Abstract:** To form a new structurally suspended slab or to raise an existing slab for a structural foundation, structural supports are placed in the ground. The structural supports are attached to lifting assemblies, which are also installed in the slab. Actuation of the lifting assembly allows the slab to be raised and/or lowered, thereby forming a suspended slab over a void of a desired size. Existing slabs may be repaired using similar techniques.

INTERNATIONAL SEARCH REPORT

International application No.  
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<p>A. CLASSIFICATION OF SUBJECT MATTER                  IPC(8) - E02D 35/00( 2006.01)                  USPC - 52/126.1                  According to International Patent Classification (IPC) or to both national classification and IPC</p>																																
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols)                  IPC(8) - B<math>\beta</math> 03/08; E02D 35/00; E04B 01/35B, 01/36, 01/00; E04G 21/00 (2007.01)                  USPC - S2/29, 114, 122.1, 12E.1, 126.1, 126.7, 169.9, 741.1, 741.11, 741.15, 745.13; 254/30; 405/230, 231, 232, 244</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)                  MicroPatent</p>																																
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 6,767,167 B1 (RIALS) 27 July 2004 (27.07.2004) entire document</td> <td>1, 2, 4, 7, 9, 10, 17, 18, 20, 26, 31</td> </tr> <tr> <td>Y</td> <td></td> <td>3, 5, 8, 8, 11-16, 19, 21-25, 27-30</td> </tr> <tr> <td>Y</td> <td>US 5,142,710 A (HOLLAND at al) 07 November 2000 (07.11.2000) column 4</td> <td>3</td> </tr> <tr> <td>Y</td> <td>US 4,011,705 A (VANDERKLAUW) 15 March 1977 (16.03.1977) 2, column 2 and 3</td> <td>5, 19</td> </tr> <tr> <td>Y</td> <td>US 5,205,673 A (BOLIN et al) 27 April 1993 (27.04.1993) column 6</td> <td><math>\beta</math></td> </tr> <tr> <td>Y</td> <td>US 5,120,163 A (HOLDEMAM et al) 09 June 1992 (09.06.1992) columns 1, 5; figure 7</td> <td>8, 16, 21</td> </tr> <tr> <td>Y</td> <td>WO 2004/057122 A1 (NEIGHBOURS) 08 July 2004 (08.07.2004) claim 1</td> <td>11, 12, 22, 23, 27, 28</td> </tr> <tr> <td>Y</td> <td>US 6,503,024 B2 (RUIPER) 07 January 2003 (07.01.2003) column 2</td> <td>13, 24, 29</td> </tr> <tr> <td>Y</td> <td>US 4,549,385 A (COHEN at et) 29 October 1985 (29.10.1985) figures 1, 2</td> <td>14, 15, 25, 30</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6,767,167 B1 (RIALS) 27 July 2004 (27.07.2004) entire document	1, 2, 4, 7, 9, 10, 17, 18, 20, 26, 31	Y		3, 5, 8, 8, 11-16, 19, 21-25, 27-30	Y	US 5,142,710 A (HOLLAND at al) 07 November 2000 (07.11.2000) column 4	3	Y	US 4,011,705 A (VANDERKLAUW) 15 March 1977 (16.03.1977) 2, column 2 and 3	5, 19	Y	US 5,205,673 A (BOLIN et al) 27 April 1993 (27.04.1993) column 6	$\beta$	Y	US 5,120,163 A (HOLDEMAM et al) 09 June 1992 (09.06.1992) columns 1, 5; figure 7	8, 16, 21	Y	WO 2004/057122 A1 (NEIGHBOURS) 08 July 2004 (08.07.2004) claim 1	11, 12, 22, 23, 27, 28	Y	US 6,503,024 B2 (RUIPER) 07 January 2003 (07.01.2003) column 2	13, 24, 29	Y	US 4,549,385 A (COHEN at et) 29 October 1985 (29.10.1985) figures 1, 2	14, 15, 25, 30
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<p>Date of the actual completion of the international search                  08 March 2007</p>		<p>Date of mailing of the international search report                  08 MAY 2007</p>																														
<p>Name and mailing address of the ISA/US                  Mail Stop PCT, Attn: ISA/US, Konsulater for Patents                  P.O. Box 1450, Alexandria, Virginia 22313-1460                  Facsimile No. 571-273-3201</p>		<p>Authorized officer:                  Brian R. Cooper                  PCT Helpdesk: 571-272-4300                  PCT OSP: 571-272-7774</p> 