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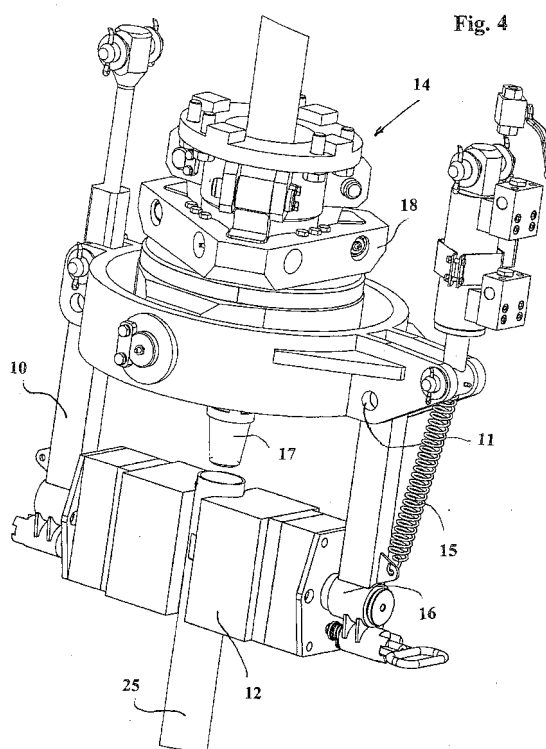
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(54) **Magnet rod-manipulator device for earth-drilling**

(57) A magnet rod-manipulator device for earth-drilling machines, comprising two permanent magnets (12) constrained to the rotary (14) of the machine, the mag-

nets (12) having the shape of plates provided with cradles (13) and being mobile between a resting position and a position for engagement of a rod (25) for drilling into the earth between said cradles (13).





EUROPEAN SEARCH REPORT

Application Number
EP 08 00 6078

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 374 928 B1 (TELLER TOM [US] ET AL) 23 April 2002 (2002-04-23) * column 6, lines 31-33; figures 8,9 * * column 6, lines 18-67; figures 2,10 * * column 4, line 60 - column 5, line 30; figure 5 * * the whole document *	1,2,7,8	INV. E21B19/084 E21B19/15 E21B19/24 E21B19/16
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 October 2011	Examiner van Berlo, André
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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