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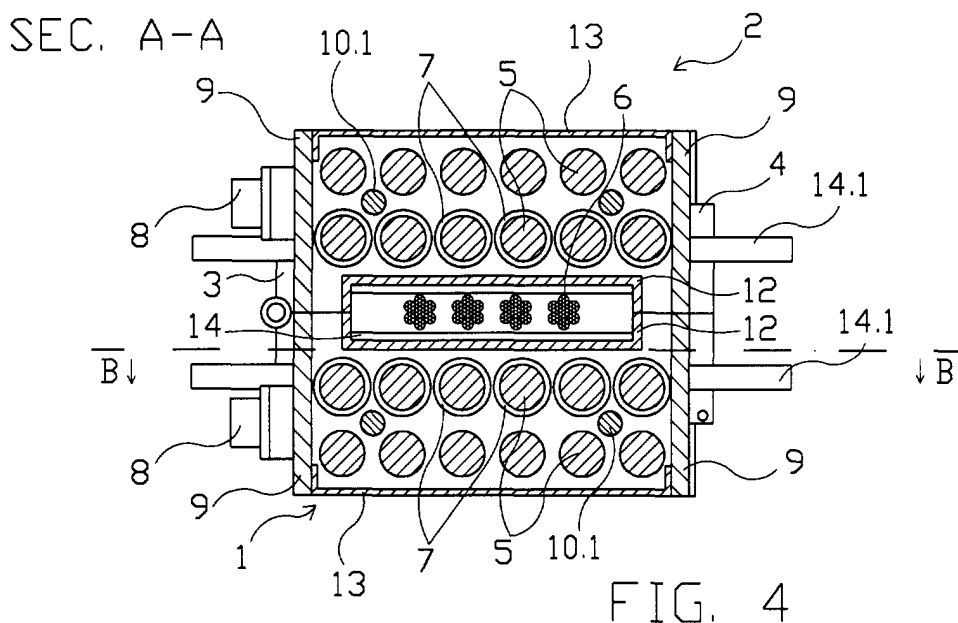
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(54) **Magnetic-inductive device for the control of multiple steel-wire ropes**

(57) This device permits the non-destructive testing of multiple steel wire ropes; it is composed of two connected moduli (1, 2); each modulus (1, 2) has at least one magnet (5), at least one coil or more permanent magnets (5), one or more coils (7, 7.1), one signal power point (8), two rollers (14) and a shell; the shell is composed of two lateral plates (9), an upper plate (10), a lower plate (11), a fore plate (12) and a back plate (13);

the magnets (5), fixed to the upper plate (10) and the lower plate (11), form with these pole pieces a magnetic inductor; the magnets (5) are placed on one or more planes, parallel to the plane of the multiple wire ropes (6); any discontinuity of the moving wire ropes (6) creates perturbations of the magnetic field, generating electric power which is transferred to an analogical recorder; this recorder can amplify it and print on paper the diagram showing the state of the wire ropes (6).





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 83 0546

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 828 213 A (HICKMAN JACK R) 27 October 1998 (1998-10-27) * column 9, line 5 - line 23; figures 3,16,17 *	1-12	B66B7/12
A	US 4 427 940 A (HIRAMA YUTAKA ET AL) 24 January 1984 (1984-01-24) * abstract; figures 1,7A,7B *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) B66B G01N
Place of search THE HAGUE		Date of completion of the search 18 July 2002	Examiner Janssens, G
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 83 0546

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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18-07-2002

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