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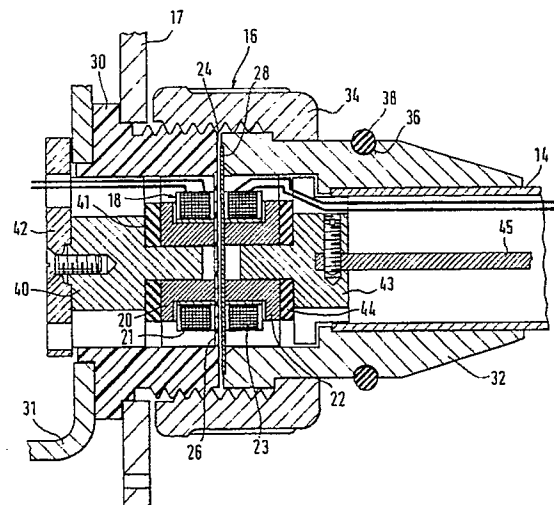
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(54) **Identification device with inductive antenna coupling.**

(57) The invention relates to an identification device (10) consisting of a transmitter and receiver section (12) and an antenna connected thereto via an antenna coupling (16). Known identification devices are awkward to handle and trouble-prone in particular under rough use conditions. The new identification device is to be suitable in particular for mobile use and remain functionable even under rough ambient conditions. For this purpose in the antenna coupling (16) a dividable transformer (18) is arranged, a first transformer half having a core (20) and a winding (21) being accommodated in the transmitter and receiver section (12) and a second transformer half having a core (22) and a winding (23) being accommodated in the antenna (14). The two windings (21, 23) are inductively coupled in the connected state of the transmitter and receiver section (12) and the antenna (14).

FIG. 2



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EUROPEAN SEARCH REPORT

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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.5)
Y	DE-U-8 532 245 (K.EBINGER) * claims 1, 14-17; figures 1, 6 * - - -	1	H 01 Q 1/24 H 01 Q 1/27
Y	PATENT ABSTRACTS OF JAPAN vol. 10, no. 384 (E-466)(2441) 23 December 1986, & JP-A-61 174607 (TETSUO ISHI) 06 August 1986, * the whole document * - - -	1	
A	FR-A-2 274 147 (BRITISH STEEL) * claims 1-7; figure 1 * - - -	1-15	
A	FR-A-2 297 525 (PELCON) * claims 1-20; figures 1-4 * - - -	1-15	
A	US-A-4 621 243 (HARADA) * abstract; figures 1, 8 * - - - - -	1-15	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5) H 01 Q G 01 V H 01 F
Place of search The Hague		Date of completion of search 08 May 91	Examiner ANGRABEIT F.F.K.
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			