

Title (en)
IDENTIFICATION DEVICE WITH INDUCTIVE ANTENNA COUPLING

Publication
EP 0394714 A3 19910703 (EN)

Application
EP 90106406 A 19900404

Priority
DE 3912034 A 19890412

Abstract (en)
[origin: EP0394714A2] 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).

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H01Q 1/24 (2006.01); **H01Q 1/27** (2006.01)

CPC (source: EP)
H01Q 1/24 (2013.01); **H01Q 1/273** (2013.01)

Citation (search report)
• [Y] DE 8532245 U1 19860227
• [A] FR 2274147 A1 19760102 - BRITISH STEEL CORP [GB]
• [A] FR 2297525 A1 19760806 - PELCON LTD [CA]
• [A] US 4621243 A 19861104 - HARADA TAKUJI [JP]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 10, no. 384 (E-466)(2441) 23 December 1986, & JP-A-61 174607 (TETSUO ISHI) 06 August 1986,

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