

Title (en)

PROCESS FOR MANUFACTURING OF A TRANSPONDER AND A TRANSPONDER MANUFACTURED BY MEANS OF THE PROCESS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TRANSPONDERS UND NACH DIESEM VERFAHREN HERGESTELLTER TRANSPONDER

Title (fr)

PROCEDE DE FABRICATION D'UN TRANSPONDEUR ET TRANSPONDEUR FABRIQUE SELON LEDIT PROCEDE

Publication

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Application

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Abstract (en)

[origin: WO9840766A1] The invention refers to a process for manufacturing of a transponder and a transponder manufactured by means of a process. The transponder consists of an elongated coil carrier (2), preferably a ferrite core, with a coil (4) wound on the coil carrier's shell surface (22) which forms the transponder's antenna. The coil's wire ends (12, 13) are connected to an IC circuit (3), which in a conventional manner contains memory circuits for storage of a unique code and some form of power source, preferably a condenser. In accordance with the invention the transponder's end section is provided with two separate electrically conductive coatings (10, 11), which extend over subsections on both the coil carrier's end-head (20) and the shell surface (22). The IC circuit (3) is mounted on the end-head (20) and the respective wire ends (12, 13) are connected to the part of the coating (10, 11) which reaches down over the shell surface (22). The design sets low requirements for positioning accuracy of the IC circuit and the coil wire ends, which simplifies mass production of the transponder.

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