

Title (en)
INDUCTIVE PLUG-TYPE CONNECTION TRANSFORMER

Title (de)
INDUKTIVER STECKVERBINDUNGSÜBERTRAGER

Title (fr)
TRANSMETTEUR INDUCTIF À LIAISON ENFICHABLE

Publication
EP 2174326 B1 20120620 (DE)

Application
EP 08773922 A 20080709

Priority
• EP 2008005568 W 20080709
• DE 102007036626 A 20070802

Abstract (en)
[origin: WO2009015745A1] An inductive plug-type connection transformer comprises - a ferrite core (3) with an axial length d1, - a primary coil (1) resting on the ferrite core (3) with an axial winding length d2, - a secondary coil (11) with an axial winding length d3, into which the ferrite core primary coil unit (1, 3) can be pushed radially symmetrically and axially into a transmission desired position (P1), in which the ferrite core (3) protrudes axially with its free end (4) plugged through the secondary coil (11) beyond said secondary coil (11), - a position of the ferrite core which is axially symmetrical with respect to the secondary winding, - staggered axial lengths of ferrite core (3), primary coil (1) and secondary coil (11) in accordance with the relationship $d1 > d3 > d2$, - positioning of the primary coil (1) on the ferrite core (3) which is shifted asymmetrically axially in the direction of the free end (4) of said ferrite core (3), and - positioning of the primary coil (1) in the transmission desired position (P1) within the secondary coil (11) in such a way that the primary coil (1) protrudes axially beyond the secondary coil (11) by an excess distance of $d4 < d2$ over part of its length.

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