

Title (en)

TRANSFORMER FOR USE IN A RAIL VEHICLE

Title (de)

TRANSFORMATOR ZUR VERWENDUNG IN EINEM SCHIENENFAHRZEUG

Title (fr)

TRANSFORMATEUR POUR L'UTILISATION DANS UN VÉHICULE FERROVIAIRE

Publication

EP 3707736 A1 20200916 (DE)

Application

EP 18799765 A 20181107

Priority

- DE 102017126473 A 20171110
- EP 2018080465 W 20181107

Abstract (en)

[origin: WO2019092014A1] A transformer (1) for use in a rail vehicle and/or for railway applications, comprising a core (2), which is surrounded at least partially by at least one coil (3, 4), is characterized with respect to the task of specifying a transformer in which the geometry of a coil can be selected as variably as possible in that the core (2) is fabricated from individual segments, wherein the overall cross-sectional area (2c) of the core (2) is greater than the sum, or equal to the sum, of the individual cross-sectional areas (2a, 2b, 2ab) of the segments, and wherein at least two individual cross-sectional areas (2a, 2b, 2ab) differ in their size and/or their geometric shape from one another and/or from the overall cross-sectional area (2c).

IPC 8 full level

H01F 37/00 (2006.01)

CPC (source: EP US)

H01F 27/245 (2013.01 - EP US); **H01F 30/10** (2013.01 - EP); **H01F 37/00** (2013.01 - EP); **H01F 41/0233** (2013.01 - US)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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