

Title (en)

ELECTRIC COIL DEVICE FOR ELECTRO-TECHNICAL AND POWER ELECTRONICS APPLICATIONS

Title (de)

ELEKTRISCHE SPULENVORRICHTUNG FÜR ELEKTROTECHNISCHE UND LEISTUNGSELEKTRONISCHE ANWENDUNGEN

Title (fr)

DISPOSITIF DE BOBINE ÉLECTRIQUE POUR DES APPLICATIONS ÉLECTRONIQUES DE PUISSANCE ET ÉLECTROTECHNIQUES

Publication

EP 2819133 A1 20141231 (EN)

Application

EP 13173505 A 20130625

Priority

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Abstract (en)

The present invention relates to a coil device (1), particularly for use in traction applications for providing an inductivity, comprising: - a coil (2) for providing inductivity; - a magnetic shell (3), particularly made of soft-magnetic material, to guide a magnetic field around the coil (2); and - an inner volume (5) inside the magnetic shell (3) which is filled with an insulating liquid, so that the coil (2) is at least partly immersed in the insulating liquid.

IPC 8 full level

H01F 27/36 (2006.01); **H01F 27/12** (2006.01); **H01F 37/00** (2006.01)

CPC (source: EP US)

H01F 27/12 (2013.01 - EP); **H01F 27/36** (2013.01 - EP); **H01F 27/363** (2020.08 - EP US); **H01F 37/005** (2013.01 - EP)

Citation (search report)

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Cited by

JP2023177175A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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