

Title (en)

Fluid cooling device for iron core and windings

Title (de)

Flüssigkeitskühlung für Eisenkern und Wicklungspakete

Title (fr)

Système de refroidissement à liquide pour noyau de fer et enroulements

Publication

**EP 1592028 B1 20091209 (DE)**

Application

**EP 05005490 A 20050314**

Priority

DE 102004021107 A 20040429

Abstract (en)

[origin: EP1592028A2] Heat exchangers (14) with metallic or copper deflector plate (12), are connected in series or parallel to an iron core (11). A fluid conduit (13) with tube walls (13a-13d) extended from the plate in U-shaped fashion, is operationally connected to the iron core, to remove heat emitted from the iron core.

IPC 8 full level

**H01F 27/10** (2006.01); **H01F 27/30** (2006.01)

CPC (source: EP US)

**H01F 27/10** (2013.01 - EP US); **H01F 27/306** (2013.01 - EP US)

Cited by

DE102011007334A1; EP2850724A4; EP1641003A3; US8462506B2; US7129808B2; WO2015144177A1; WO2009143643A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1592028 A2 20051102; EP 1592028 A3 20070307; EP 1592028 B1 20091209**; AT E451704 T1 20091215; DE 102004021107 A1 20051124; DE 502005008660 D1 20100121; JP 2005317982 A 20051110; US 2005243502 A1 20051103; US 7227754 B2 20070605

DOCDB simple family (application)

**EP 05005490 A 20050314**; AT 05005490 T 20050314; DE 102004021107 A 20040429; DE 502005008660 T 20050314; JP 2005134455 A 20050502; US 11457905 A 20050426