

Title (en)
WATER-COOLED REACTOR

Title (de)
WASSERGEKÜHLTE DROSSEL

Title (fr)
BOBINE DE CHOC A REFROIDISSEMENT PAR EAU

Publication
EP 2294591 A1 20110316 (DE)

Application
EP 09753402 A 20090525

Priority
• CH 2009000173 W 20090525
• CH 7962008 A 20080527
• CH 7142009 A 20090507

Abstract (en)
[origin: WO2009143643A1] A liquid-cooled electromagnetic component (reactor, transformer) is comprised of a plurality of disc-shaped coils (4, 4') with one or more turns and flat radiators (5) located between them, wherein at least two disc coils (4, 4') are assigned to a flat radiator (5), and in which all the winding elements (turns of the coil) are in direct thermal contact with the surfaces of the flat radiators (5). This component is used in power converter installations and in midfrequency installations.

IPC 8 full level
H01F 27/16 (2006.01); **H01F 27/28** (2006.01)

CPC (source: EP US)
H01F 27/16 (2013.01 - EP US); **H01F 27/2871** (2013.01 - EP US); **H01F 27/2876** (2013.01 - EP US)

Citation (search report)
See references of WO 2009143643A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009143643 A1 20091203; CH 698904 A2 20091130; CN 102047357 A 20110504; CN 102047357 B 20121226; EP 2294591 A1 20110316; EP 2294591 B1 20180425; US 2011075368 A1 20110331; US 8462506 B2 20130611

DOCDB simple family (application)
CH 2009000173 W 20090525; CH 7142009 A 20090507; CN 200980119216 A 20090525; EP 09753402 A 20090525; US 99464809 A 20090525