

Title (en)
EXPLOSION-PROTECTED HOUSING

Title (de)
EXPLOSIONSGESCHÜTZTES GEHÄUSE

Title (fr)
ENCEINTE PROTÉGÉE CONTRE LES EXPLOSIONS

Publication
EP 2929766 A1 20151014 (DE)

Application
EP 13802535 A 20131202

Priority
• DE 102012023979 A 20121207
• EP 2013003632 W 20131202

Abstract (en)
[origin: WO2014086475A1] An explosion-protected housing (1), such as switchgear cabinet, terminal box, distribution system housing or the like, has side walls (2, 3, 4, 5), a rear or base wall (6) connecting the side walls, and a cover or a door wall part (7) closing off a housing opening. Electronic and/or electrical components (9) are arranged in the housing interior (8), wherein the housing has a cooling device (10). In order to make it possible to cool a multiplicity of electronic and/or electrical components in the housing interior in a simple manner and without relatively high costs and relatively large space requirement, at least one cooling line (10) which is closed relative to the housing interior (8) and through which a cooling fluid (11) flows is embodied as cooling device in at least one wall or wall part.

IPC 8 full level
H05K 5/00 (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP RU US)
H02K 5/136 (2013.01 - US); **H05K 7/20254** (2013.01 - EP US); **H02K 5/136** (2013.01 - RU); **H05K 5/00** (2013.01 - RU); **H05K 7/20** (2013.01 - RU); **H05K 7/20254** (2013.01 - RU)

Citation (search report)
See references of WO 2014086475A1

Citation (examination)
US 2004085733 A1 20040506 - LEON EDUARDO [US], et al

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)
BA ME

DOCDB simple family (publication)
WO 2014086475 A1 20140612; BR 112015013026 A2 20170711; CA 2893925 A1 20140612; CN 105122960 A 20151202; CN 105122960 B 20191018; DE 102012023979 A1 20140612; EP 2929766 A1 20151014; JP 2016506226 A 20160225; KR 20150102977 A 20150909; RU 2015123792 A 20170112; RU 2619269 C2 20170515; SA 515360527 B1 20161214; US 10148149 B2 20181204; US 2015326091 A1 20151112

DOCDB simple family (application)
EP 2013003632 W 20131202; BR 112015013026 A 20131202; CA 2893925 A 20131202; CN 201380063580 A 20131202; DE 102012023979 A 20121207; EP 13802535 A 20131202; JP 2015545690 A 20131202; KR 20157015796 A 20131202; RU 2015123792 A 20131202; SA 515360527 A 20150604; US 201314650255 A 20131202