

Title (en)

ELECTRIC MACHINE WITH IMPROVED HEAT MANAGEMENT

Title (de)

ELEKTRISCHE MASCHINE MIT VERBESSERTEM WÄRMEMANAGEMENT

Title (fr)

MACHINE ÉLECTRIQUE AVEC GESTION DE LA CHALEUR AMÉLIORÉE

Publication

EP 2659572 A2 20131106 (DE)

Application

EP 11784499 A 20111118

Priority

- DE 102010064190 A 20101227
- EP 2011070417 W 20111118

Abstract (en)

[origin: WO2012089406A2] The invention relates to an electric machine, comprising a stator (2), a rotor (3), a split cage (4), which separates a wet region (5) from a dry region (6), control electronics (9) and an interconnection element (7, 8), which produces an electrical contact between the stator (2) and the control electronics (9), wherein the rotor (3) is arranged in the wet region (5), wherein the interconnection element (7, 8) is surrounded at least partially by an insulating element (10), and wherein the insulating element (10) divides the dry region (6) into a first subregion (60), in which the stator (2) is arranged, and a second subregion (61), in which the control electronics (9) are arranged.

IPC 8 full level

H02K 5/128 (2006.01); **H02K 5/22** (2006.01); **H02K 11/00** (2006.01)

CPC (source: EP US)

H02K 5/128 (2013.01 - EP US); **H02K 5/225** (2013.01 - EP US); **H02K 11/33** (2016.01 - EP US); **H02K 19/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2012089406A2

Citation (examination)

DE 19842170 A1 20000316 - WILO GMBH [DE]

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

DOCDB simple family (publication)

WO 2012089406 A2 20120705; **WO 2012089406 A3 20120913**; CN 103262392 A 20130821; CN 103262392 B 20160316; DE 102010064190 A1 20120628; EP 2659572 A2 20131106; JP 2014501481 A 20140120; JP 5721861 B2 20150520; US 2013270942 A1 20131017; US 9184645 B2 20151110

DOCDB simple family (application)

EP 2011070417 W 20111118; CN 201180062841 A 20111118; DE 102010064190 A 20101227; EP 11784499 A 20111118; JP 2013546634 A 20111118; US 201113976161 A 20111118