

Title (en)
Water-repellent coating in in-built condensers

Title (de)
Hydrophobe Beschichtung von Kondensatoren im eingebauten Zustand

Title (fr)
Revêtement hydrophobe de condensateurs en état intégré

Publication
EP 2184115 A1 20100512 (DE)

Application
EP 09174287 A 20091028

Priority
DE 102008056621 A 20081110

Abstract (en)
The method involves assembling capacitor tubes (101) in a carrier (105) for a capacitor tube bundle of a capacitor (100). The integrated capacitor tube is coated with a hydrophobic coating. Spraying devices (106) are positioned at the carrier for spraying the hydrophobic coating. A movement of the spraying devices takes place during the spraying with a constant feed motion along an extension direction of the integrated capacitor tube. Independent claims are included for the following: (1) a device for coating an integrated capacitor tube with a hydrophobic coating; and (2) a capacitor which is formed as heating capacitor.

Abstract (de)
Die Erfindung betrifft ein Verfahren zur Herstellung eines Kondensators (100) für eine Wärmekraftanlage. Das Herstellverfahren weist zunächst das Einbauen eines Kondensatorrohres (101) in einen Träger (105) für ein Kondensatorrohrbündel (203) des Kondensators (100) auf. Das eingebaute Kondensatorrohr (101) wird mit einer hydrophoben Beschichtung beschichtet.

IPC 8 full level
B05D 5/08 (2006.01); **B05D 1/04** (2006.01); **B05D 1/40** (2006.01); **F28F 13/04** (2006.01); **F28F 13/18** (2006.01)

CPC (source: EP US)
B05D 5/08 (2013.01 - EP US); **F28F 13/182** (2013.01 - EP US); **F28F 19/02** (2013.01 - EP US); **B05D 1/04** (2013.01 - EP US); **B05D 1/40** (2013.01 - EP US); **B05D 2254/02** (2013.01 - EP US); **F28B 1/00** (2013.01 - EP US); **F28F 2245/04** (2013.01 - EP US); **Y10T 29/49377** (2015.01 - EP US)

Citation (search report)

- [X] DE 102007008038 A1 20080911 - AASLEPP HELMUT [DE]
- [X] DE 102007015450 A1 20081002 - SIEMENS AG [DE]
- [X] GB 2428604 A 20070207 - VISTEON GLOBAL TECH INC [US]
- [A] WO 0156711 A1 20010809 - SUNYX SURFACE NANOTECHNOLOGIES [DE], et al
- [A] US 3899366 A 19750812 - TAJKOWSKI EDWARD GEORGE
- [A] DE 833049 C 19520303 - BBC BROWN BOVERI & CIE

Cited by
EP3159634A1

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 SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2184115 A1 20100512; EP 2184115 B1 20130313; BR PI0905392 A2 20110614; CN 101786060 A 20100728; DE 102008056621 A1 20100520; DE 102008056621 B4 20120105; PL 2184115 T3 20130830; US 2010115950 A1 20100513; US 8580351 B2 20131112

DOCDB simple family (application)
EP 09174287 A 20091028; BR PI0905392 A 20091110; CN 200911000027 A 20091110; DE 102008056621 A 20081110; PL 09174287 T 20091028; US 61277209 A 20091105