

Title (en)
METHOD FOR PRODUCTION OF MIXED VAPOUR

Title (de)
VERFAHREN ZUM ERZEUGEN VON MISCHDAMPF

Title (fr)
PROCÉDÉ DE PRODUCTION DE VAPEUR MIXTE

Publication
EP 2084373 A2 20090805 (DE)

Application
EP 07819541 A 20071026

Priority
• EP 2007009515 W 20071026
• DE 102006050967 A 20061028

Abstract (en)
[origin: DE102006050967B3] The assembly (10) to develop a vapor mixture (17) from a non-polar (15) and a polar fluid (14) at a low temperature, for a thermal engine, the mixture is enriched with polar fluids in a vessel (21) at a slightly higher temperature to be compressed by a thermal engine (28). The vapor mixture is converted to wet steam by adiabatic relaxation, where the polar fluid condenses and the heat is transferred to the non-polar fluid and the energy used to generate electricity. The relaxed wet steam is returned to the first pressure zone (13). Water is the polar fluid and benzole the non-polar fluid.

IPC 8 full level
F01K 25/06 (2006.01)

CPC (source: EP KR US)
F01K 21/04 (2013.01 - KR); **F01K 25/06** (2013.01 - EP US); **F01K 25/10** (2013.01 - KR); **F01K 27/00** (2013.01 - KR)

Citation (search report)
See references of WO 2008052787A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006050967 B3 20080110; BR PI0717382 A2 20131008; CA 2667677 A1 20080508; CN 101600855 A 20091209; CN 101600855 B 20120201; EP 2084373 A2 20090805; JP 2010508460 A 20100318; JP 5227962 B2 20130703; KR 20090101347 A 20090925; NO 20092030 L 20090723; NO 330561 B1 20110516; RU 2009120205 A 20101210; UA 93753 C2 20110310; US 2010058762 A1 20100311; US 8109096 B2 20120207; WO 2008052787 A2 20080508; WO 2008052787 A3 20090716

DOCDB simple family (application)
DE 102006050967 A 20061028; BR PI0717382 A 20071026; CA 2667677 A 20071026; CN 200780040195 A 20071026; EP 07819541 A 20071026; EP 2007009515 W 20071026; JP 2009533758 A 20071026; KR 20097009859 A 20071026; NO 20092030 A 20090526; RU 2009120205 A 20071026; UA A200905268 A 20071026; US 31213507 A 20071026