

Title (en)

METHOD FOR THE PRODUCTION OF A CYLINDER CRANK HOUSING HAVING MULTIPLE CYLINDER SLEEVES AND SHORT CYLINDER SLEEVES WITH MATERIAL STRIPS FIXED THERETO

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ZYLINDERKURBELGEHÄUSES MIT MEHREREN ZYLINDERLAUFBUCHSEN SOWIE KURZE ZYLINDERLAUFBUCHSE MIT DARAN FESTGELEGTEM MATERIALSTREIFEN

Title (fr)

PROCÉDÉ DE FABRICATION D'UN CARTER MOTEUR COMPORTANT PLUSIEURS CHEMISES DE CYLINDRE, ET CHEMISE DE CYLINDRE COURTE COMPORTANT UNE BANDE DE MATIÈRE FIXÉE SUR CELLE-CI

Publication

**EP 2114590 A1 20091111 (DE)**

Application

**EP 08700851 A 20080110**

Priority

- DE 2008000023 W 20080110
- DE 102007003135 A 20070116

Abstract (en)

[origin: US2009320783A1] A cylinder liner for use in a cylinder crankcase includes a liner body having at least one end face, and a material strip. The material strip is affixed to the liner body and projects axially from the at least one end face of the liner body.

IPC 8 full level

**B22D 19/00** (2006.01)

CPC (source: EP KR US)

**B22D 19/00** (2013.01 - KR); **B22D 19/0009** (2013.01 - EP US); **F02F 1/00** (2013.01 - EP US); **Y10T 29/49272** (2015.01 - US)

Citation (search report)

See references of WO 2008086770A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2009320783 A1 20091231**; **US 8590502 B2 20131126**; AT E485908 T1 20101115; BR PI0806184 A2 20110830; BR PI0806184 B1 20170411; CN 101631632 A 20100120; CN 101631632 B 20111123; DE 102007003135 B3 20080306; DE 112008000695 A5 20091231; DE 502008001646 D1 20101209; EP 2114590 A1 20091111; EP 2114590 B1 20101027; JP 2010515860 A 20100513; JP 5470049 B2 20140416; KR 20090113262 A 20091029; WO 2008086770 A1 20080724

DOCDB simple family (application)

**US 50450909 A 20090716**; AT 08700851 T 20080110; BR PI0806184 A 20080110; CN 200880004984 A 20080110; DE 102007003135 A 20070116; DE 112008000695 T 20080110; DE 2008000023 W 20080110; DE 502008001646 T 20080110; EP 08700851 A 20080110; JP 2009545814 A 20080110; KR 20097014661 A 20080110