

Title (en)

CYLINDER SLEEVE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

LAUFBUCHSE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

CHEMISE DE CYLINDRE POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 1721072 A1 20061115 (DE)

Application

EP 05714992 A 20050218

Priority

- DE 2005000283 W 20050218
- DE 102004007774 A 20040218

Abstract (en)

[origin: WO2005078265A1] Disclosed is a cylinder sleeve for an internal combustion engine. The outer surface of said cylinder sleeve is provided with a flat zone (61) that extends along the entire axial length thereof. The inventive cylinder sleeve is embodied as a rough cast sleeve whose outer surface comprises a rough zone that extends along the entire axial length thereof and consists of a plurality of elevations with undercuts in order to ensure that a sufficient amount of combustion heat generated during operation of the engine is discharged.

IPC 8 full level

F02F 1/00 (2006.01); **B22D 19/00** (2006.01); **F02F 1/10** (2006.01); **F02F 1/16** (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 KR US); **F02F 1/10** (2013.01 - EP KR US); **F02F 1/16** (2013.01 - EP KR US); **F05C 2201/0439** (2013.01 - EP US); **F05C 2201/903** (2013.01 - EP US); **F05C 2251/042** (2013.01 - EP US); **Y10T 29/49272** (2015.01 - EP US)

Citation (search report)

See references of WO 2005078265A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005078265 A1 20050825; BR PI0507731 A 20070710; CN 2900814 Y 20070516; DE 102004007774 A1 20050915; EP 1721072 A1 20061115; EP 1721072 B1 20170405; JP 2007524787 A 20070830; JP 4653762 B2 20110316; KR 101279846 B1 20130628; KR 20060129027 A 20061214; US 2007209627 A1 20070913; US 7806098 B2 20101005

DOCDB simple family (application)

DE 2005000283 W 20050218; BR PI0507731 A 20050218; CN 2005900000003 U 20050218; DE 102004007774 A 20040218; EP 05714992 A 20050218; JP 2006553431 A 20050218; KR 20067016912 A 20050218; US 58979205 A 20050218