

Title (en)

CYLINDER BLOCK DESIGN FOR PROVIDING IMPROVED COOLING PERFORMANCE OF LINERS

Title (de)

ZYLINDERBLOCKGESTALTUNG ZUR VERBESSERUNG DER KÜHLEISTUNG VON AUSKLEIDUNGEN

Title (fr)

CONCEPTION DE BLOC-CYLINDRE POUR FOURNIR UNE PERFORMANCE DE REFROIDISSEMENT AMÉLIORÉE DE CHEMISES

Publication

EP 3938631 A4 20221228 (EN)

Application

EP 20801858 A 20200409

Priority

- CN 201910378607 A 20190508
- US 2020027421 W 20200409

Abstract (en)

[origin: WO2020226839A1] Systems and methods are provided to deliver coolant around a cylinder liner. The systems and methods uses a water-jacket. The water-jacket includes an inlet placed at a bottom of the water-jacket. The inlet has a smooth guidance pathway to deliver coolant smoothly into the water-jacket. The water-jacket also includes three outlets placed at a top of the water-jacket.

IPC 8 full level

F01P 3/02 (2006.01); **B60H 1/14** (2006.01); **F02F 1/14** (2006.01); **F02F 1/40** (2006.01); **F02F 1/10** (2006.01)

CPC (source: CN EP)

F01P 3/02 (2013.01 - EP); **F02F 1/004** (2013.01 - CN); **F02F 1/14** (2013.01 - EP); **F02F 1/16** (2013.01 - CN); **F01P 2003/021** (2013.01 - EP); **F02F 2001/106** (2013.01 - EP)

Citation (search report)

- [X] EP 0450067 A1 19911009 - KOMATSU MFG CO LTD [JP]
- [A] JP 3136972 B2 20010219
- [A] JP H084583 A 19960109 - DAIHATSU MOTOR CO LTD
- [A] CN 106438086 A 20170222 - GUANGXI YUCHAI MACHINERY CO LTD
- See references of WO 2020226839A1

Designated contracting state (EPC)

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