

Title (en)
ENGINE COOLING APPARATUS

Title (de)
MOTORKÜHLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE REFROIDISSEMENT DE MOTEUR

Publication
EP 2653687 A4 20141105 (EN)

Application
EP 10860673 A 20101213

Priority
JP 2010072416 W 20101213

Abstract (en)
[origin: EP2653687A1] A cooling apparatus 1A is equipped with a cylinder block 51 in which W/J 501 is provided and a cylinder head 52 in which W/J 502 is provided. The first W/J 501 causes cooling water to flow through an exhaust-side portion of the cylinder block 51. Further, the first W/J 501 causes the cooling water to flow through an exhaust-side portion of the cylinder head 52 including a predetermined region around a spark plug 54. The second W/J 502 is incorporated into a second circulation path C2 different from a first circulation path C1 into which the first W/J 501 is incorporated. The second W/J 502 causes the cooling water to flow through an intake-side portion of the cylinder block 51. Further, the second W/J 502 causes the cooling water to flow through an intake-side portion of the cylinder head 52.

IPC 8 full level
F01P 3/02 (2006.01)

CPC (source: EP US)
F01P 3/02 (2013.01 - EP US); **F01P 3/16** (2013.01 - EP US); **F01P 2003/028** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2012081081A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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