

Title (en)  
Cooling circuit assembly

Title (de)  
Kühlmittelkreislaufanordnung

Title (fr)  
Agencement de circuit de refroidissement

Publication  
**EP 2317094 B1 20151223 (DE)**

Application  
**EP 10188486 A 20101022**

Priority  
DE 102009050880 A 20091027

Abstract (en)  
[origin: EP2317094A2] The circulation arrangement (1) has a heat exchanger and a storage unit (8), where the heat exchanger cools an engine block (12) by a coolant circuit (2). The storage unit is provided for the heat in another coolant circuit (3). The heat is to be delivered to a heating unit (11). The storage unit is integrated in a third coolant circuit (4) for additional cooling of the engine block. The heat exchanger is a coolant cooler, particularly high-temperature coolant cooler.

IPC 8 full level  
**F01P 7/16** (2006.01)

CPC (source: EP)  
**F01P 7/165** (2013.01); **F01P 9/06** (2013.01); **F01P 2003/028** (2013.01); **F01P 2011/205** (2013.01); **F01P 2060/08** (2013.01)

Cited by  
FR3059728A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2317094 A2 20110504; EP 2317094 A3 20131106; EP 2317094 B1 20151223**; DE 102009050880 A1 20110922

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