Title (en)

CYLINDER ARRANGEMENT AND METHOD FOR COOLING THE CYLINDER ARRANGEMENT

Title (de)

ZYLINDERANORDNUNG UND VERFAHREN ZUM KÜHLEN DER ZYLINDERANORDNUNG

Title (fr)

ARRANGEMENT DE CYLINDRES ET PROCÉDÉ DE REFROIDISSEMENT DE L'ARRANGEMENT DE CYLINDRES

Publication

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Application

**EP 19839314 A 20191127**

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Abstract (en)

[origin: WO2020108677A1] The invention, which relates to a cylinder arrangement (1) and a method for cooling the cylinder arrangement (1), addresses the problem of specifying a solution with which the heat transfer from a combustion chamber (6) of an internal combustion engine located in a cylinder liner (2) of the cylinder arrangement (1) into a region (7) surrounding the cylinder liner (2), such as a cylinder block or a cylinder crankcase, is controlled in a temperature-dependent manner. The arrangement solves said problem by virtue of the fact that a jacket (9), the expansion of which changes depending on temperature, is arranged between the cylinder liner (2) and the region (7) surrounding the cylinder liner (2). The method solves said problem by virtue of the fact that: the cylinder liner (2) is provided with a jacket (9), the expansion of which changes depending on temperature and which surrounds the cylinder liner (2); the jacket (9) forms a gap (10) between the jacket (9) and the region (7) in a first temperature range; and the jacket (9) forms no gap (10) between the jacket (9) and the region (7) in a second temperature range.

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