Title (en)
COOLING CIRCUIT FOR A MULTI-CYLINDER INTERNAL COMBUSTION ENGINE

Title (de)
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Title (fr)
CIRCUIT DE REFROIDISSEMENT POUR MOTEUR A COMBUSTION INTERNE MULTICYLINDRE

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Abstract (en)
[origin: WO0183959A1] The invention relates to a cooling circuit for a multi-cylinder internal combustion engine, comprising cylinder banks in a V-arrangement and cooling jackets (16, 18, 20, 22) which surround said cylinder banks and which are supplied with a liquid coolant by a pump located between the two cylinder banks, at one of their front ends. According to the invention, the coolant pump situated at one front end of the two cylinder banks is linked by its pressure-side connection, via a coolant pipe (32), to a distributing pipe (34) for supplying the liquid coolant, situated at the other front end of the cylinder banks. A return chamber (28, 56) for the coolant returning from the cooling jackets (16, 18, 20, 22) is situated between the two cylinder banks, adjacent to the pump housing (26). The invention hereby makes use of the available space between the two cylinder banks for part of the coolant system, rendering the construction of the internal combustion engine more compact.

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