

Title (en)
DISTRIBUTOR WITH INTEGRATED FLOW SEPARATION

Title (de)
VERTEILER MIT INTEGRIERTER STRÖMUNGSTRENNUNG

Title (fr)
REPARTITEUR AVEC SEPARATION DE FLUX INTEGREE

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Application
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Abstract (en)
[origin: WO2021008786A1] The invention relates to an air admission circuit attachment arrangement of an indirect fuel injection heat engine, comprising a cylinder head (15), in which inlet channels (17) are formed, which open on one side into a depression (20) of the inlet wall (12) of the cylinder head and on the opposite side into a combustion chamber (16), said cylinder head comprising at least one injection channel per cylinder able to house a fuel injector and opening obliquely into an inlet channel (17). According to the invention, said admission circuit comprises a heat exchanger (11) which is fixed in an oblique manner to the inlet wall of the cylinder head by means of an attachment flange (50). The invention is characterized in that the depression (20) of the cylinder head is divided into inlet cavities (19) by at least one separating wall (18), each of said cavities communicating with a single combustion chamber (16), and that the heat exchanger (11) is divided into longitudinal compartments (81), each of said compartments being connected to a single inlet cavity (19) of the cylinder head.

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