Title (en)

A FLOW DISTRIBUTION DEVICE BETWEEN AN OIL PUMP AND A ENGINE

Title (de)

STRÖMUNGSVERTEILUNGSVORRICHTUNG ZWISCHEN EINER ÖLPUMPE UND EINEM MOTOR

Title (fr)

DISPOSITIF DE DISTRIBUTION D'ÉCOULEMENT ENTRE UNE POMPE À HUILE ET UN MOTEUR

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Application

EP 15828517 A 20151216

Priority

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Abstract (en)

[origin: WO2017103638A1] The invention relates to a flow distribution device (1) designed to be connected to an oil pump capable of supplying oil to an engine (102). The device (1) comprises a body (2) having: - a first port (21) for connection with an oil sump (103) and a second port (22) for connection with a pump inlet (51), an intake channel (11) being formed between said first and second ports (21, 22); - a third port (23) for connection with a pump outlet (52) and a forth port (24) for connection with the engine (102), a discharge channel (12) being formed between said third and fourth ports (23, 24); - a by-pass channel (13) connecting the intake channel (11) and the discharge channel (12); The device (1) further comprises a controlled valve (30) configured to move inside the device body (2) between: - a closed position, in which said valve (30) closes the by-pass channel (13); - and a maximum return position, in which said valve (30) allows a portion of the flow of oil entering the third port (23) to flow through the by-pass channel (13) and return to the second port (22).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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