

Title (en)  
LUBRICATING CIRCUIT FOR AN INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0009564 B1 19820519 (DE)**

Application  
**EP 79102750 A 19790801**

Priority  
DE 2843248 A 19781004

Abstract (en)  
[origin: US4331112A] An arrangement for lubricating, especially for internal combustion engines is disclosed. The circuit of the arrangement is fed with the lubricating medium, e.g. oil, by means of a pump which delivers oil from a source, as required through an oil cooler and a filter, to bearings of the engine which require lubrication, and to more remote bearings, such as are used in auxiliary equipment, e.g. off-gas turbo-superchargers. In the main pressure conduit, relatively close to the pump, there is provided a flow control device with a direct conduit being provided to communicate the pump with the more remote bearings. The direct conduit is connected to the circuit between the pump and the flow control device. As required, an oil filter can be arranged in the direct conduit. The flow control device is controlled by the fluid pressure prevailing in front thereof to open and is spring biased to close, with a further conduit also connected to the circuit between the pump and the flow control device, communicating the pump and the flow control device.

IPC 1-7  
**F01M 9/10**

IPC 8 full level  
**F01M 9/10** (2006.01); **F01M 1/10** (2006.01); **F01M 5/00** (2006.01)

CPC (source: EP US)  
**F01M 9/108** (2013.01 - EP US); **F01M 1/10** (2013.01 - EP US); **F01M 5/002** (2013.01 - EP US)

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**EP 0009564 A1 19800416**; **EP 0009564 B1 19820519**; AT E1074 T1 19820615; DE 2843248 A1 19800430; DE 2843248 C2 19840823; US 4331112 A 19820525; US 4453511 A 19840612

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