

Title (en)

LUBRICATING OIL FILL LINE FOR AN INTERNAL COMBUSTION ENGINE, INVOLVING A OIL MIST SEDIMENT TANK

Title (de)

SCHMIERÖLEINFÜLLEITUNG EINES VERBRENNUNGSMOTORS MIT ÖLNEBELABSCHEIDER

Title (fr)

CONDUITE DE REMPLISSAGE D'HUILE DE GRAISSAGE D'UN MOTEUR A COMBUSTION INTERNE A L'AIDE D'UN DECANTEUR DE BROUILLARD D'HUILE

Publication

EP 0931207 A1 19990728 (DE)

Application

EP 98905225 A 19980103

Priority

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- DE 19704594 A 19970207

Abstract (en)

[origin: DE19704594A1] On a lubricating oil fill line for an internal combustion engine, provided with an oil mist sediment tank (5) installed in the fill area and designed to ensure the crank case ventilation, the oil flowing out of the oil mist sediment tank is recycled by the gravity force back to the crank case as return oil. Said system has the following features: for the return oil is provided a return line from the oil mist sediment tank; the distal end of said return line relative to the sediment tank leads to the bottom area of a transfer tank especially designed to receive and recycle the return oil; a gas pressure is exerted at the overflow outlet of the overflow tank which corresponds to that to which the oil mist is submitted when back to the sediment tank (5). Such a facility permit to save place during the manufacture process. Furthermore, ensuring a differential pressure between the air to be purified inside the crank case at the oil mist sediment tank inlet, on the one hand, and the precipitated oil at the oil mist sediment tank outlet, enables good oil sedimentation.

IPC 1-7

F01M 13/04

IPC 8 full level

F01M 1/06 (2006.01); **F01M 13/00** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP US)

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