

Title (en)

Device to recycle lubricant in an internal combustion engine.

Title (de)

Wiederverwendungsvorrichtung von Schmiermittel in einer Brennkraftmaschine.

Title (fr)

Dispositif de recyclage de lubrifiant dans un moteur à combustion interne.

Publication

EP 0628704 A1 19941214 (FR)

Application

EP 94400886 A 19940425

Priority

FR 9306784 A 19930607

Abstract (en)

The invention relates to a device intended for recycling (recirculating) a lubricant which is accumulated in a volume (11) of an internal combustion engine with pneumatic fuel injection, the volume connecting the crank case (8) of the said engine to a passage for the inlet of carburetted fuel under pressure into the combustion chamber (1), the passage being equipped with an intermittent shut off element (6) and the volume (11) including a non-return valve (12). According to the invention, at least one calibrated passage (14) passing through the separation wall between the said volume (11) and the said crank case (8) is provided. Furthermore, the end of the passage (14) via which the lubricant leaves the volume (11) is situated at the lowermost point of the volume (11). <IMAGE>

IPC 1-7

F01M 11/08

IPC 8 full level

F01M 11/08 (2006.01)

CPC (source: EP)

F01M 11/08 (2013.01)

Citation (search report)

- [Y] US 3973532 A 19760810 - LITZ HAROLD
- [Y] DE 3731250 C1 19881006 - ZOICHEV DONKOV DANCHO DIPL ING
- [A] US 3672172 A 19720627 - HAMMOND GARY L
- [A] GB 240447 A 19260805 - PAUL FREDERICK HACKETHAL
- [DA] DE 3935789 A1 19910502 - DONKOV DANCHO ZOICHEV DIPL ING [DE]
- [DA] US 4962745 A 19901016 - OHNO EISHI [JP], et al

Cited by

US7073482B2; WO0129379A1; WO0244528A1

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

EP 0628704 A1 19941214; EP 0628704 B1 19961023; DE 69400781 D1 19961128; DE 69400781 T2 19970227; FR 2706182 A1 19941216; FR 2706182 B1 19950721

DOCDB simple family (application)

EP 94400886 A 19940425; DE 69400781 T 19940425; FR 9306784 A 19930607