

Title (en)

CONDITIONING UNIT FOR LUBRICATING OIL

Title (de)

KONDITIONIEREINHEIT FÜR SCHMIERÖL

Title (fr)

UNITE DE CONDITIONNEMENT POUR HUILE LUBRIFIANTE

Publication

EP 0998624 A1 20000510 (DE)

Application

EP 98938655 A 19980626

Priority

- DE 19731558 A 19970723
- EP 9803908 W 19980626

Abstract (en)

[origin: DE19731558A1] The invention concerns a conditioning unit for lubricating oil, to be mounted in particular in a motor vehicle, comprising a device filtering lubricating oil, provided with a filtering element (3), metal-free and renewable, and a by-pass valve (11), and an oil-cooling device (2) mounted in the oil-circulating system. The filtering device (3) comprising the filter by-pass valve is mounted on the conditioning unit body (1). On said body (1) is also located the oil-cooling device (2), a heat-exchanger (6) between the oil and a cooling agent, and another by-pass valve (16) for said heat exchanger (6).

IPC 1-7

F01M 11/03

IPC 8 full level

F01M 11/03 (2006.01)

CPC (source: EP)

F01M 11/03 (2013.01); **F01M 2011/033** (2013.01)

Citation (search report)

See references of WO 9905399A1

Cited by

DE102016208022A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

DE 19731558 A1 19990128; DE 59807884 D1 20030515; EP 0998624 A1 20000510; EP 0998624 B1 20030409; WO 9905399 A1 19990204; ZA 986545 B 19990203

DOCDB simple family (application)

DE 19731558 A 19970723; DE 59807884 T 19980626; EP 9803908 W 19980626; EP 98938655 A 19980626; ZA 986545 A 19980722