

Title (en)

Oil pan for automotive engines and method of making same

Title (de)

Ölwanne für Brennkraftmaschine und Verfahren zu deren Herstellung

Title (fr)

Carter d'huile pour moteur à combustion et procédé pour sa fabrication

Publication

EP 1731725 A2 20061213 (EN)

Application

EP 06011429 A 20060601

Priority

IT BS20050067 A 20050606

Abstract (en)

An oil pan structure for an internal combustion engine, particularly for motor vehicles, comprising a box-like oil receptacle (2), formed by a tray (3) having side walls (5), a bottom wall (4), an upper edge (6) with an attachment portion (7) to be anchored to the engine block by suitable fastening means (8), an oil suction tube (9) extending from the top of the edge (6) into the receptacle (2). The tube (9) has a first end and a second end connected to the box-like receptacle (2) by upper connection means (11). The structure is characterized in that the box-like receptacle, the tray, the suction tube, the fastening means the connection means are formed in a substantially rigid thermoplastic material, capable of resisting to oil corrosion and mechanical stresses caused by the engine and the roadbed in a temperature range from -40°C to +150°C.

IPC 8 full level

F01M 11/00 (2006.01)

CPC (source: EP)

F01M 11/0004 (2013.01); **F01M 2011/007** (2013.01); **F01M 2011/0091** (2013.01)

Cited by

FR3102208A1; GB2480199A; CN106014529A; DE102015113001B4; DE102015113001A1; US9540972B2; US10012117B2; US10195770B2; WO2010101766A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1731725 A2 20061213; **EP 1731725 A3 20100623**; IT BS20050067 A1 20061207

DOCDB simple family (application)

EP 06011429 A 20060601; IT BS20050067 A 20050606