

Title (en)

Internal combustion engine oil sump with an integrated oil intake pipe

Title (de)

Ölbehälter einer Brennkraftmaschine mit einem integrierten Füllrohr

Title (fr)

Bac à huile d'un moteur à combustion interne avec un conduit de refoulement intégré

Publication

EP 1304451 A2 20030423 (EN)

Application

EP 02023295 A 20021017

Priority

IT TO20011001 A 20011019

Abstract (en)

An oil sump for an internal combustion engine, having at least a monolithic concave member defining a vessel for containing lubricating oil and defined at the top by a peripheral edge securable to a block of the engine; and an oil intake pipe integral in one piece with the sump; wherein the oil intake pipe projects inside the vessel by opposite ends, a first located at a bottom wall of the concave member, and a second substantially flush with the peripheral edge; the oil intake pipe being formed as a separate member from the concave member, and being fixed integrally to the concave member by the first end, at a given distance from the bottom wall, and by an intermediate portion; and the second end of the oil intake pipe having a fast-fit fitting projecting beyond the peripheral edge. <IMAGE> <IMAGE>

IPC 1-7

F01M 11/00; **F01M 11/02**; **F02F 7/00**

IPC 8 full level

F01M 11/00 (2006.01)

CPC (source: EP)

F01M 11/0004 (2013.01); **F01M 2011/0054** (2013.01); **F01M 2011/0062** (2013.01); **F01M 2011/007** (2013.01); **F01M 2011/0079** (2013.01)

Citation (applicant)

- US 5601060 A 19970211 - SMITANSKI RICHARD A [US], et al
- DE 4016968 A1 19911128 - KLOECKNER HUMBOLDT DEUTZ AG [DE]

Cited by

CN113464238A; US7085002B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1304451 A2 20030423; **EP 1304451 A3 20030820**; IT TO20011001 A1 20030419

DOCDB simple family (application)

EP 02023295 A 20021017; IT TO20011001 A 20011019