

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

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