

Title (en)

OIL PAN FOR INTERNAL COMBUSTION ENGINE

Title (de)

ÖLPFANNE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

CARTER D'HUILE POUR MOTEUR À COMBUSTION INTERNE

Publication

EP 2863025 A4 20160706 (EN)

Application

EP 13806119 A 20130517

Priority

- JP 2012136921 A 20120618
- JP 2013063810 W 20130517

Abstract (en)

[origin: EP2863025A1] An oil pan for an internal combustion engine is provided that can be easily detached and attached from and to the body of the internal combustion engine while a capacity capable of storing the total quantity of oil required is secured. An oil pan 10 of an internal combustion engine is mounted on a vehicle provided with a pair of right and left side members provided so as to extend in the front-rear direction of the vehicle and a cross member 5 provided so as to extend in the width direction of the vehicle and fixed to the pair of side members, is of a type divided into two pieces one above the other, formed of an upper oil pan 20 attached to the body of the internal combustion engine and including an opening 23h in a bottom portion 23 and a lower oil pan 30 attached so as to cover the opening 23h of the upper oil pan from below, and includes an overlapping portion 11 situated above the cross member 5 and overlapping the cross member 5; and the lower oil pan 30 is provided so as to be situated in front of or behind the overlapping portion 11 so as to include the overlapping portion 11 in a state of being mounted on the vehicle.

IPC 8 full level

F01M 11/00 (2006.01); **F02F 7/00** (2006.01)

CPC (source: CN EP US)

F01M 11/0004 (2013.01 - CN EP US); **F01M 2011/0037** (2013.01 - US); **F01M 2011/0066** (2013.01 - CN EP US);
F01M 2011/0087 (2013.01 - CN EP US)

Citation (search report)

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- [X] US 5544632 A 19960813 - CHOATE RANDALL W [US]
- [A] DE 202007008481 U1 20081023 - MANN & HUMMEL GMBH [DE]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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CN 104379887 B 20180615; IN 10861DEN2014 A 20150911; JP 2014001671 A 20140109; JP 6106960 B2 20170405;
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DOCDB simple family (application)

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