

Title (en)

PISTON CONSISTING OF AN INNER PART AND AN OUTER PART

Title (de)

KOLBEN, BESTEHEND AUS EINEM INNENTEIL UND EINEM AUSSENTEIL

Title (fr)

PISTON CONSTITUÉ D'UNE PARTIE INTÉRIEURE ET D'UNE PARTIE EXTÉRIEURE

Publication

**EP 3507479 A1 20190710 (DE)**

Application

**EP 17768687 A 20170830**

Priority

- DE 102016116474 A 20160902
- EP 2017071737 W 20170830

Abstract (en)

[origin: WO2018041880A1] The invention relates to a piston (1) of an internal combustion engine, having a ring groove region (4), a piston skirt (7) and a piston boss (8) for receiving a piston pin, the piston (1) being formed from two parts which are produced separately from each other and are joined non-detachably together to form the single-piece piston (1), characterised in that the piston (1) is formed from an outer part (2), which includes the ring groove region (4) and the piston skirt (7) and into which is inserted an inner part (3), which includes the piston boss (8) and the pin bores (9), wherein the two parts (2, 3) are joined non-detachably together in at least one vertical plane.

IPC 8 full level

**F02F 3/00** (2006.01)

CPC (source: EP US)

**F02F 3/003** (2013.01 - EP US); **F02F 3/22** (2013.01 - EP US); **F02F 2003/0061** (2013.01 - EP US)

Citation (search report)

See references of WO 2018041880A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102017119891 A1 20180308**; BR 112019002634 A2 20190528; CN 109642518 A 20190416; CN 109642518 B 20220708; EP 3507479 A1 20190710; MX 2019000981 A 20190704; US 2019178202 A1 20190613; WO 2018041880 A1 20180308

DOCDB simple family (application)

**DE 102017119891 A 20170830**; BR 112019002634 A 20170830; CN 201780052666 A 20170830; EP 17768687 A 20170830; EP 2017071737 W 20170830; MX 2019000981 A 20170830; US 201716321855 A 20170830