

Title (en)

PISTON FOR AN INTERNAL COMBUSTION ENGINE AND METHOD FOR PRODUCING THE PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

KOLBEN FÜR EINEN VERBRENNUNGSMOTOR SOWIE VERFAHREN ZUR HERSTELLUNG DES KOLBENS FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

PISTON DESTINÉ À UN MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ DE FABRICATION DUDIT PISTON DESTINÉ À UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3250804 A1 20171206 (DE)**

Application

**EP 16702059 A 20160126**

Priority

- DE 102015201633 A 20150130
- EP 2016051523 W 20160126

Abstract (en)

[origin: WO2016120246A1] A steel piston (10) for an internal combustion engine comprises a ring zone (12), a shaft (14), openings (16) between the ring zone (12) and shaft (14) which extend from the piston outer side to the piston inner side, and, between two openings (16), a rib (18) which is substantially central with respect to a length of a piston pin to be received, wherein, when viewed in the circumferential direction, the rib (16) has a decreasing thickness from the middle thereof, as measured in the radial direction. In a method for producing a steel piston for an internal combustion engine comprising a ring zone and a shaft, openings are formed between the ring groove region and the shaft which extend from the piston outer side to the piston inner side, and at least one rib is formed between the openings which is substantially central with respect to a length of a piston pin to be received, wherein, when viewed in the circumferential direction, the rib (16) has a decreasing thickness from the middle thereof, as measured in the radial direction.

IPC 8 full level

**F02F 3/02** (2006.01); **F16J 1/18** (2006.01)

CPC (source: EP US)

**F02F 3/0076** (2013.01 - US); **F02F 3/0084** (2013.01 - US); **F02F 3/02** (2013.01 - EP US); **F16J 1/18** (2013.01 - EP US); **F02F 2200/00** (2013.01 - US)

Citation (search report)

See references of WO 2016120246A1

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)

**WO 2016120246 A1 20160804**; DE 102015201633 A1 20160804; EP 3250804 A1 20171206; US 10436146 B2 20191008; US 2018202388 A1 20180719

DOCDB simple family (application)

**EP 2016051523 W 20160126**; DE 102015201633 A 20150130; EP 16702059 A 20160126; US 201615546339 A 20160126