

Title (en)
STEEL PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
STAHLKOLBEN FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
PISTON EN ACIER POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 3545182 A1 20191002 (DE)

Application
EP 17758471 A 20170817

Priority
• DE 102016223530 A 20161128
• EP 2017070830 W 20170817

Abstract (en)
[origin: WO2018095601A1] The invention relates to a steel piston (10) for an internal combustion engine, comprising a cooling duct and skirt surfaces (12, 14), with which the piston (10), in the installed state, rests on a pressure and a counter-pressure side on a cylinder bore or a cylinder liner, wherein a skirt surface (12) has a width which is smaller than the other skirt surface (14) by about 25-50 %.

IPC 8 full level
F02F 3/22 (2006.01)

CPC (source: EP KR US)
F02F 3/0015 (2013.01 - KR); **F02F 3/0084** (2013.01 - US); **F02F 3/22** (2013.01 - EP KR US); **F02F 2003/0061** (2013.01 - KR)

Citation (search report)
See references of WO 2018095601A1

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)
DE 102016223530 A1 20180530; CN 109996948 A 20190709; CN 109996948 B 20220617; EP 3545182 A1 20191002; EP 3545182 B1 20201125; KR 102384112 B1 20220406; KR 20190086501 A 20190722; MX 2019006116 A 20190801; US 11131269 B2 20210928; US 2021115874 A1 20210422; WO 2018095601 A1 20180531

DOCDB simple family (application)
DE 102016223530 A 20161128; CN 201780072735 A 20170817; EP 17758471 A 20170817; EP 2017070830 W 20170817; KR 20197017079 A 20170817; MX 2019006116 A 20170817; US 201716464423 A 20170817