

Title (en)

PISTON FOR A TWO-STROKE ENGINE WORKING WITH DIRECT INJECTION AND TWO-STROKE ENGINE

Title (de)

KOLBEN FÜR EINEN MIT SPÜLVORLAGE ARBEITENDEN ZWEITAKTMOTOR UND ZWEITAKTMOTOR

Title (fr)

PISTON POUR UN MOTEUR A DEUX TEMPS DOTE D'UN POT CATALYTIQUE ET MOTEUR DEUX TEMPS

Publication

EP 3284939 B1 20200715 (DE)

Application

EP 16001825 A 20160819

Priority

EP 16001825 A 20160819

Abstract (en)

[origin: US2018051650A1] A piston for a two-stroke engine operating with advanced scavenging has a piston base and a piston skirt. The piston has a piston pocket which has a smallest distance (e) from a top side of the piston base. The piston has a section plane perpendicularly to the longitudinal center axis of the piston, the distance of which section plane from the top side of the piston base is greater than the smallest distance (e). A middle plane of the piston intersects the piston skirt at a location. In the circumferential direction between the pocket and this location, a thickened area is arranged in the section plane, the greatest wall thickness of which area is at least 1.1 times the wall thickness at the location. The piston has an edge at a recess at which the piston skirt has a reduced height. A chamfer is arranged on the radially outer side of the piston.

IPC 8 full level

F02F 3/24 (2006.01)

CPC (source: CN EP US)

F02F 3/00 (2013.01 - CN); **F02F 3/0076** (2013.01 - US); **F02F 3/24** (2013.01 - EP US); **F02B 2075/025** (2013.01 - CN)

Cited by

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DOCDB simple family (publication)

EP 3284939 A1 20180221; **EP 3284939 B1 20200715**; CN 107762657 A 20180306; CN 107762657 B 20210528; EP 3699418 A1 20200826; EP 3699418 B1 20221207; US 10240558 B2 20190326; US 2018051650 A1 20180222

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