

Title (en)

PISTON FOR AN INTERNAL COMBUSTION ENGINE, AND PRODUCTION METHOD THEREFOR

Title (de)

KOLBEN FÜR EINE BRENNKRAFTMASCHINE UND DESSEN HERSTELLUNGSVERFAHREN

Title (fr)

PISTON POUR MOTEUR À COMBUSTION INTERNE ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

EP 14783646 A 20141013

Priority

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- EP 2014071881 W 20141013

Abstract (en)

[origin: WO2015055578A1] The invention relates to a piston (1) of an internal combustion engine having a piston head (11) which has a ring zone (12) and is adjoined by a piston skirt (2) which encloses an inner shape (10), with two box walls (4) which lie opposite one another and are set back with respect to the outer contour of the piston (1) and with two skirt walls (13) which are not set back with respect to the outer contour of the piston (1), wherein the box walls (4) receive hubs (6), wherein the piston skirt (2) has skirt supports (3) which are connected to the hub (6), wherein the width (b) of the box wall (4) is a point of intersection between the pin axis (7) and the constant-curvature and constant-tangent further course of the box wall (4), and to a method for producing a piston (1) for internal combustion engines.

IPC 8 full level

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Citation (search report)

See references of WO 2015055578A1

Citation (examination)

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- US 2010229820 A1 20100916 - IWATA KAZUYA [JP], et al
- DE 3723005 A1 19890119 - MAHLE GMBH [DE]
- US 2002178909 A1 20021205 - NOMURA AKIFUMI [JP], et al

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DE 102014114785 A1 20150416; CN 105745426 A 20160706; CN 105745426 B 20190903; EP 3058206 A1 20160824; JP 2016535191 A 20161110; KR 20160070818 A 20160620; KR 20180004290 A 20180110; MX 2016004545 A 20160722; US 2016245223 A1 20160825; US 2018372020 A1 20181227; WO 2015055578 A1 20150423

DOCDB simple family (application)

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