

Title (en)
PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
KOLBEN FÜR EINE BRENNKRAFTMASCHINE

Title (fr)
PISTON POUR MOTEUR À COMBUSTION INTERNE

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Application
EP 16757179 A 20160811

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Abstract (en)
[origin: WO2017025608A1] The invention relates to a piston (1) for an internal combustion engine, comprising a piston shaft (2) and a piston base (3) which is arranged on the piston shaft and which has an annular field (4). The piston shaft (2) has supporting shaft wall portions (5) and box walls (14) which are set back and connect the shaft wall portions (5) together and which progress in a curved manner and have a pin bore (7). An undercut open space (21) is provided in the region of the piston base (3) below the annular field (4) in the region of the pin bore (7). The piston (1) has a pressure side (12) and a counter pressure side (13), and the piston (1) has a spacing (27) between the box walls (14) of 35% to 51% of the piston diameter (20) on the pressure side (12) and/or the piston (1) has a spacing (28) between the box walls (14) of 26% to 39% of the piston diameter (20) on the counter pressure side (13).

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