

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 16797847 A 20161115

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Abstract (en)
[origin: WO2017085061A1] The invention relates to a piston (50) for internal combustion engines, the piston consisting of a bottom part (2) and a top part (3). At least one upper joining plane (6), which passes through the outer circumference of the piston (50), is formed between the parts (2, 3). In the region of the upper joining plane (6), an upper bottom-part joining surface (16) and an upper top-part joining surface (17) lie opposite one another and/or at least one lower joining plane (15), which does not pass through the outer circumference of the piston (50), is formed between the parts (2, 3). In the region of the lower joining plane (15), a lower bottom-part joining surface (18) and a lower top-part joining surface (19) lie opposite one another, and at least one solder gap (4, 5) is arranged at least in one sub-region of the at least one joining plane (6, 15) between the joining surfaces (16, 17; 18, 19). In the region of the at least one joining plane (6, 15), solder containing iron is inserted between the bottom part (2) and the top part (3). The invention also relates to a number of methods for producing the piston.

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