

Title (en)
PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
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Title (fr)
PISTON POUR UN MOTEUR À COMBUSTION INTERNE

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Application
EP 11787584 A 20110809

Priority
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Abstract (en)
[origin: US2012037114A1] A piston for an internal combustion engine has an upper part and a lower part. The upper part has a collar with a ring rib and the lower part has a wall and a contact part radially within the wall. When the upper part is connected with the lower part by friction welding, the face surfaces of the ring rib, the collar, the wall, and the contact part form friction-welding surfaces and form a cooling channel and a cooling cavity between them. To supply the cooling channel and the cooling cavity with cooling oil, radial bores are introduced into the ring rib, which bores connect the cooling channel with the cooling cavity. In this way, it is guaranteed that a sufficient residual amount of oil collects in the cooling channel and in the cooling cavity, which amount is constantly renewed, and leads to good cooling of the piston crown.

IPC 8 full level
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