

Title (en)  
PISTON FOR AN INTERNAL COMBUSTION ENGINE

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

Publication  
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Application  
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Abstract (en)  
[origin: WO2014012530A1] The present invention relates to a piston (10, 110) for an internal combustion engine having a piston head (13, 113) and a piston skirt (14, 114), the piston (10, 110) comprising a piston base (11, 111) and a piston ring element (12, 112). The invention is characterized in that the piston base (11, 111) has a combustion recess (21, 121) which is radially offset and/or tilted relative to the center axis (M) of the piston (10, 110), a portion (19a) of a piston crown and the piston skirt (14, 114), in that the piston ring element (12, 112) has a portion (19b) of a piston crown, a circumferential fire land (22, 122) and a circumferential ring section (23, 123) with ring grooves, in that the piston base (11, 111) and the piston ring element (12, 112) form a circumferential cooling channel (24, 124) that extends between an outer lateral surface (25, 125) in the region of the combustion recess (21, 121) and an inner lateral surface (26, 126) in the region of the ring section (23, 123), in that the piston base (11, 111) and the piston ring element (12, 112) have a circumferential seam (28, 128) in the region of the piston crown (19a, 19b), via which they are non-detachably connected to one another.

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