

Title (en)
PISTON FOR USE IN INTERNAL COMBUSTION ENGINES

Title (de)
KOLBEN ZUM EINSATZ IN VERBRENNUNGSMOTOREN

Title (fr)
PISTON À UTILISER DANS DES MOTEURS À COMBUSTION INTERNE

Publication
EP 2663760 A1 20131120 (DE)

Application
EP 12700127 A 20120111

Priority
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• EP 2012050347 W 20120111

Abstract (en)
[origin: WO2012095445A1] Piston for use in internal combustion engines, having a piston skirt composed of skirt walls (12) and box walls (16), said walls enclosing a recess (20), wherein the at least one skirt wall (12) is provided for use on the pressure side of the piston (10) in the installed state. Said piston is in particular characterized in that, in at least one partial region (22) of at least one skirt wall (12) provided for use on the pressure side of the piston (10), the recess (20) is in substantially the shape of a parabola, a section of an ellipse or a catenoid, wherein said parabola, said section of an ellipse or said catenoid lies in a plane substantially parallel to the piston crown.

IPC 8 full level
F02F 3/00 (2006.01); **F02F 3/02** (2006.01)

CPC (source: EP KR US)
F02F 3/00 (2013.01 - EP KR US); **F02F 3/02** (2013.01 - KR); **F02F 3/022** (2013.01 - EP US)

Citation (search report)
See references of WO 2012095445A1

Citation (examination)
EP 0430362 A1 19910605 - AE PISTON PRODUCTS [GB]

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