

Title (en)
PISTON WITH AN UNDERCROWN SUPPORT FEATURE

Title (de)
KOLBEN MIT EINER UNTERBODENTRÄGERFUNKTION

Title (fr)
PISTON AVEC ÉLÉMENT DE SUPPORT SOUS LA TÊTE

Publication
EP 2726724 B1 20180822 (EN)

Application
EP 12738286 A 20120628

Priority
• US 201161502602 P 20110629
• US 2012044564 W 20120628

Abstract (en)
[origin: WO2013003546A1] A piston with a piston body extending along a longitudinal central axis and having a crown portion and a pair of pin bosses is provided. The crown portion includes a combustion wall with a combustion bowl formed therein and a pair of ribs depending from the combustion wall. One of the ribs depends from the combustion wall directly below the combustion bowl, and the other rib is radially spaced from the combustion bowl. As such, one of the ribs depends lower along the longitudinal central axis than the other of the ribs. The ribs provide support to the crown portion and also act as a heat sink to extract heat from the combustion wall.

IPC 8 full level
F02F 3/00 (2006.01)

CPC (source: CN EP KR)
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JP 2010236406 A 20101021 - HONDA MOTOR CO LTD

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