

Title (en)

PISTON WITH ANTI-CARBON DEPOSIT COATING AND METHOD OF CONSTRUCTION THEREOF

Title (de)

KOLBEN MIT KOHLENSTOFFABLAGERUNGSSCHUTZBESCHICHTUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

PISTON DOTÉ D'UN REVÊTEMENT ANTI-CALAMINE ET SON PROCÉDÉ DE CONSTRUCTION

Publication

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Application

EP 14710708 A 20140226

Priority

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Abstract (en)

[origin: WO2014137690A1] A piston and method of construction are provided. The piston includes a piston body having an upper combustion surface configured for direct exposure to combustion gases within a cylinder bore with an undercrown surface located beneath the upper combustion surface. The piston body also includes a ring belt region configured for receipt of at least one piston ring adjacent the upper combustion surface with a cooling gallery configured radially inwardly and in substantial radial alignment with the ring belt region. The piston further includes a non-stick material contained in or bonded to at least one of the undercrown surface and at least a portion of the cooling gallery, wherein the non-stick material inhibits the buildup of carbon deposits thereon.

IPC 8 full level

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