

Title (en)

SUB-ASSEMBLY CONSISTING OF A PISTON AND AN INJECTION NOZZLE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ANORDNUNG AUS EINEM KOLBEN UND EINER ANSPRITZDÜSE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

ENSEMBLE CONSTITUÉ D'UN PISTON ET D'UNE BUSE DE PULVÉRISATION ET DESTINÉ À UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

**EP 14777501 A 20140822**

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Abstract (en)

[origin: WO2015024551A1] The invention relates to a sub-assembly (100) consisting of a piston (10) and an injection nozzle (30) for the cooling oil of an internal combustion engine. The piston comprises a piston head (11) and a piston skirt (21), said piston head (11) comprising a piston crown (13) having an underside (13a), a circumferential ring part (16), and a circumferential cooling channel (17) in the region of the ring part (16) and having at least one supply opening (19) for the cooling oil. The injection nozzle (30) is provided below the piston skirt (21). According to the invention, the piston (10) also comprises a flow divider (25) for the cooling oil on the underside (13a) of the piston crown (13) and adjacent to the at least one supply opening (19) for the cooling oil. The injection nozzle (30) is arranged below the flow divider (25) and oriented towards the flow divider (25).

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See references of WO 2015024551A1

Cited by

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