

Title (en)
THERMAL SPRAYING METHOD

Title (de)
THERMISCHES SPRITZVERFAHREN

Title (fr)
PROCÉDÉ DE PROJECTION THERMIQUE

Publication
EP 3310940 A1 20180425 (DE)

Application
EP 16724350 A 20160513

Priority
• DE 102015109874 A 20150619
• EP 2016060881 W 20160513

Abstract (en)
[origin: WO2016202512A1] The invention relates to a thermal spraying method and a device for coating the inner surface of a cylinder (10) of an internal combustion engine or piston engine, the method comprising the following steps: - applying a thermal spray layer (24) to the inner surface (26) of the cylinder (10), - inserting an optical sensor device (12) in the coated cylinder (10), and - scanning the coated inner surface (24) of the cylinder (10) by means of the optical sensor device (12) in order to detect ridges (14) in the coating (24).

IPC 8 full level
C23C 4/18 (2006.01); **B05B 13/06** (2006.01); **C23C 4/131** (2016.01); **C23C 4/134** (2016.01); **F02F 1/00** (2006.01); **G01N 21/84** (2006.01); **G01N 21/954** (2006.01)

CPC (source: EP US)
B05B 13/06 (2013.01 - EP US); **B05B 13/0627** (2013.01 - EP US); **C23C 4/131** (2016.01 - EP US); **C23C 4/134** (2016.01 - EP US); **C23C 4/18** (2013.01 - EP US); **F02F 1/004** (2013.01 - EP US); **G01N 21/8422** (2013.01 - EP US); **G01N 21/954** (2013.01 - EP US); **B05B 7/203** (2013.01 - EP US); **G01N 2021/8427** (2013.01 - EP US); **G01N 2021/9548** (2013.01 - EP US)

Citation (search report)
See references of WO 2016202512A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016202512 A1 20161222; BR 112017020447 A2 20180703; CN 107636189 A 20180126; EP 3310940 A1 20180425; MX 2017016461 A 20180502; US 2018100225 A1 20180412

DOCDB simple family (application)
EP 2016060881 W 20160513; BR 112017020447 A 20160513; CN 201680027031 A 20160513; EP 16724350 A 20160513; MX 2017016461 A 20160513; US 201615736778 A 20160513