

Title (en)
METHOD AND TOOL FOR REMOVING A COATING FROM A SUBSTRATE

Title (de)
VERFAHREN UND WERKZEUG ZUM ENTFERNEN EINER BESCHICHTUNG VON EINEM SUBSTRAT

Title (fr)
PROCÉDÉ ET OUTIL POUR ENLEVER UNE COUCHE D'UN SUBSTRAT

Publication
EP 3631038 A1 20200408 (DE)

Application
EP 17727155 A 20170523

Priority
EP 2017062389 W 20170523

Abstract (en)
[origin: WO2018215054A1] The present invention relates to a method and a tool for removing a partial region of a coating from a substrate, in which the partial region to be removed is removed by a machining process in such a way that an undercutting of the partial region of the coating that is to be removed takes place. For the undercutting of the partial region of the coating that is to be removed, at least one machining tool that is rotating relative to the substrate about an axis of rotation is moved relative to the substrate along a direction of advancement that runs parallel to a surface having the coating, wherein a layer of the substrate that is directly adjacent to the coating is also removed together with the coating. Considered in the direction of advancement, the tool thereby penetrates deeper into the substrate than into the coating to be removed.

IPC 8 full level
C23C 4/18 (2006.01); **B23B 27/02** (2006.01); **B23P 13/02** (2006.01); **B23P 13/04** (2006.01)

CPC (source: EP US)
B23B 29/03489 (2013.01 - EP US); **B23B 41/12** (2013.01 - EP US); **B24B 9/00** (2013.01 - EP); **B24B 19/02** (2013.01 - EP); **C23C 4/185** (2013.01 - EP); **B23B 27/08** (2013.01 - US); **B23B 2215/24** (2013.01 - EP); **B24B 27/033** (2013.01 - US)

Citation (examination)
• DE 102006016290 A1 20071011 - GUEHRING OHG [DE]
• DE 102017102883 A1 20170831 - GUEHRING KG [DE]
• DE 102009027870 A1 20110127 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
• See also references of WO 2018215054A1

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 2018215054 A1 20181129; EP 3631038 A1 20200408; US 2020171617 A1 20200604

DOCDB simple family (application)
EP 2017062389 W 20170523; EP 17727155 A 20170523; US 201916692131 A 20191122