

Title (en)
DEVICE AND METHOD FOR PRODUCING LAYERS WITH IMPROVED UNIFORMITY IN COATING SYSTEMS WITH HORIZONTALLY ROTATING SUBSTRATE AND ADDITIONAL PLASMA SOURCES

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON SCHICHTEN MIT VERBESSERTER UNIFORMITÄT BEI BESCHICHTUNGSANLAGEN MIT HORIZONTAL ROTIERENDER SUBSTRATFÜHRUNG MIT ZUSÄTZLICHEN PLASMAQUELLEN

Title (fr)
DISPOSITIF ET PROCÉDÉ DE PRODUCTION DE COUCHES À UNIFORMITÉ AMÉLIORÉE DANS DES SYSTÈMES DE REVÊTEMENT À SUBSTRAT TOURNANT HORIZONTALEMENT ET SOURCES DE PLASMA SUPPLÉMENTAIRES

Publication
EP 4103760 A1 20221221 (DE)

Application
EP 21706497 A 20210212

Priority
• DE 102020201829 A 20200213
• EP 2021053428 W 20210212

Abstract (en)
[origin: WO2021160786A1] The invention relates to a device and a method for producing layers whose layer thickness distribution can be adjusted in coating systems with horizontally rotating substrate. A very homogeneous or a specific non-homogeneous distribution can be adjusted. The particle loading is also significantly reduced. The service life is significantly higher compared to other methods. Forming of parasitic coatings is reduced.

IPC 8 full level
C23C 14/35 (2006.01); **C23C 14/50** (2006.01); **C23C 14/54** (2006.01); **H01J 37/32** (2006.01); **H01J 37/34** (2006.01)

CPC (source: EP US)
C23C 14/0036 (2013.01 - US); **C23C 14/351** (2013.01 - EP US); **C23C 14/352** (2013.01 - EP); **C23C 14/357** (2013.01 - EP US); **C23C 14/505** (2013.01 - EP US); **C23C 14/52** (2013.01 - EP); **C23C 14/547** (2013.01 - EP US); **H01J 37/32192** (2013.01 - EP); **H01J 37/32201** (2013.01 - US); **H01J 37/32366** (2013.01 - US); **H01J 37/32715** (2013.01 - US); **H01J 37/32779** (2013.01 - EP); **H01J 37/32935** (2013.01 - EP); **H01J 37/3299** (2013.01 - EP); **H01J 37/3405** (2013.01 - EP US); **H01J 37/3476** (2013.01 - US); **H01J 2237/20214** (2013.01 - US); **H01J 2237/24585** (2013.01 - US); **H01J 2237/332** (2013.01 - US)

Citation (search report)
See references of WO 2021160786A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020201829 A1 20210819; CN 115103928 A 20220923; EP 4103760 A1 20221221; US 2023067917 A1 20230302; WO 2021160786 A1 20210819

DOCDB simple family (application)
DE 102020201829 A 20200213; CN 202180014314 A 20210212; EP 2021053428 W 20210212; EP 21706497 A 20210212; US 202117760310 A 20210212