

Title (en)

A SYSTEM AND A METHOD FOR PLASMA SURFACE TREATMENT

Title (de)

SYSTEM UND VERFAHREN ZUR PLASMAOBERFLÄCHENBEHANDLUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE TRAITEMENT DE SURFACE PAR PLASMA

Publication

EP 4334488 A1 20240313 (EN)

Application

EP 22720739 A 20220505

Priority

- EP 21172402 A 20210506
- EP 2022062180 W 20220505

Abstract (en)

[origin: WO2022234029A1] A method for treating the surface of a steel strip is provided where the method comprises the steps of providing a steel strip (5), plasma treatment of the steel strip by a magnetron plasma sputter unit (1); transferring of the plasma treated steel strip in atmospheric conditions to a post-processing unit (35) within 30 mins; and post processing the steel strip after the plasma treatment wherein the post-processing unit (35) is a continuous hot dip galvanizing unit.

IPC 8 full level

C23C 14/02 (2006.01); **C23C 14/35** (2006.01); **C23C 14/56** (2006.01); **H01J 37/32** (2006.01); **H01J 37/34** (2006.01)

CPC (source: EP KR)

C23C 2/026 (2022.08 - KR); **C23C 2/06** (2013.01 - KR); **C23C 14/022** (2013.01 - EP KR); **C23C 14/35** (2013.01 - EP KR); **C23C 14/562** (2013.01 - EP KR); **H01J 37/32825** (2013.01 - EP KR); **H01J 37/3405** (2013.01 - EP KR)

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)

WO 2022234029 A1 20221110; EP 4334488 A1 20240313; KR 20240005825 A 20240112

DOCDB simple family (application)

EP 2022062180 W 20220505; EP 22720739 A 20220505; KR 20237041396 A 20220505