

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)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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