

Title (en)
SUBSTRATE WITH ANTI-CORROSION SYSTEM

Title (de)
SUBSTRAT MIT KORROSIONSSCHUTZSYSTEM

Title (fr)
SUBSTRAT DOTÉ D'UN SYSTÈME ANTICORROSION

Publication
EP 3484632 B1 20230426 (DE)

Application
EP 17740650 A 20170703

Priority
• DE 102016213023 A 20160715
• EP 2017066439 W 20170703

Abstract (en)
[origin: WO2018010987A1] The invention relates to a substrate with anti-corrosion system, the anti-corrosion system being disposed on the surface of the substrate and comprising a plasma-polymeric layer with defined lower limits of elastic modulus and defined maxima of the Si 2p peak, and also comprising a zone of anti-corrosion elements more concentrated than the substrate between the substrate and the plasma-polymeric layer. The invention also relates to the use of the above-described anti-corrosion system for achieving protection from corrosion and to a method for producing a substrate with anti-corrosion system.

IPC 8 full level
B05D 3/06 (2006.01); **B05D 1/00** (2006.01); **B05D 7/14** (2006.01); **C21D 10/00** (2006.01); **C23C 16/02** (2006.01)

CPC (source: EP)
B05D 1/62 (2013.01); **B05D 3/06** (2013.01); **B05D 7/14** (2013.01); **B05D 2202/15** (2013.01); **B05D 2350/30** (2013.01)

Citation (examination)
• DE 102014015474 A1 20160421 - DAIMLER AG [DE]
• DE 102013219337 B3 20150402 - FRAUNHOFER GES FORSCHUNG [DE]

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

DOCDB simple family (publication)
DE 102016213023 A1 20180118; EP 3484632 A1 20190522; EP 3484632 B1 20230426; WO 2018010987 A1 20180118

DOCDB simple family (application)
DE 102016213023 A 20160715; EP 17740650 A 20170703; EP 2017066439 W 20170703