

Title (en)
ANTI-FINGERPRINT COATINGS

Title (de)
ANTI-FINGERABDRUCK-BESCHICHTUNGEN

Title (fr)
REVÊTEMENTS ANTI-EMPREINTES DIGITALES

Publication
EP 3802914 A1 20210414 (EN)

Application
EP 19725185 A 20190523

Priority
• EP 18174060 A 20180524
• EP 2019063294 W 20190523

Abstract (en)
[origin: WO2019224286A1] To achieve anti-fingerprint properties to decorative surfaces, a novel method for coating a metal substrate with an anti-fingerprint coating is provided. The method comprises the following method steps: (a) providing the metal substrate; (b) providing a silicone coating mixture containing: (i) at least one first silicone compound selected from the group consisting of mono- or oligo(aminoalkyl)-fluoroalkyl silicones; (ii) at least one second silicone compound selected from the group consisting of aminoalkyl silicones; (iii) at least one acidifier; and (iv) water; further (c) treating the metal substrate with the silicone coating mixture by bringing the metal substrate into contact with the silicone coating mixture; and (d) curing the treated metal substrate at a predetermined temperature.

IPC 8 full level
C23C 18/12 (2006.01); **C08G 77/00** (2006.01); **C09D 183/04** (2006.01)

CPC (source: EP)
C23C 18/122 (2013.01); **C23C 18/1241** (2013.01); **C23C 18/1254** (2013.01); **C08G 77/24** (2013.01); **C08G 77/26** (2013.01)

Citation (search report)
See references of WO 2019224286A1

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 2019224286 A1 20191128; CN 112189061 A 20210105; EP 3802914 A1 20210414; JP 2021524541 A 20210913; JP 7326342 B2 20230815

DOCDB simple family (application)
EP 2019063294 W 20190523; CN 201980032987 A 20190523; EP 19725185 A 20190523; JP 2020564436 A 20190523