

Title (en)

OBJECT PROCESSING BY CONVERSION COATING

Title (de)

OBJEKTVERARBEITUNG DURCH KONVERSIONSBESCHICHTUNG

Title (fr)

TRAITEMENT D'OBJETS PAR REVÊTEMENT PAR TRAITEMENT CHIMIQUE

Publication

EP 3234231 B1 20200819 (EN)

Application

EP 15813487 A 20151209

Priority

- GB 201422471 A 20141217
- GB 2015053764 W 20151209

Abstract (en)

[origin: WO2016097695A1] A method and apparatus for processing an object (4), for example an aluminium aircraft part, the method comprising: performing a first conversion coating process to dispose a first conversion coating (10) onto at least part of a surface of the object (4); partially masking the first conversion coating (10) disposed on the object (4); performing an etching process to remove, from the object (4), an unmasked portion of the first conversion coating (10) while retaining the masked portion of the first conversion coating (10) on the object (4); and performing a second conversion coating process to dispose a second conversion coating (12) onto a region of the surface of the object (4) from which the unmasked portion of the first conversion coating (10) was removed. A paint layer (14) may then be applied to, e.g., the second conversion coating (12).

IPC 8 full level

C25D 11/02 (2006.01); **C23C 22/05** (2006.01); **C23C 22/24** (2006.01); **C23C 22/73** (2006.01); **C23C 22/83** (2006.01); **C25D 11/08** (2006.01); **C25D 11/24** (2006.01); **C25D 11/38** (2006.01); **C25D 11/10** (2006.01); **C25D 11/12** (2006.01); **C25D 11/36** (2006.01)

CPC (source: EP GB US)

C23C 22/24 (2013.01 - US); **C23C 22/73** (2013.01 - EP US); **C23C 22/82** (2013.01 - US); **C23C 22/83** (2013.01 - EP US); **C23F 1/02** (2013.01 - GB); **C25D 11/02** (2013.01 - GB); **C25D 11/022** (2013.01 - EP GB US); **C25D 11/04** (2013.01 - GB); **C25D 11/08** (2013.01 - EP US); **C25D 11/246** (2013.01 - EP US); **C25D 11/38** (2013.01 - EP US); **C25D 11/10** (2013.01 - EP US); **C25D 11/12** (2013.01 - EP US); **C25D 11/36** (2013.01 - EP US)

Citation (examination)

- US 2014319276 A1 20141030 - YOKOI TAKASHI [JP]
- US 6475610 B1 20021105 - KEENER STEVEN G [US], et al

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)

WO 2016097695 A1 20160623; AU 2015365719 A1 20170629; AU 2015365719 B2 20210225; EP 3234231 A1 20171025; EP 3234231 B1 20200819; EP 3234231 B8 20201104; GB 201521655 D0 20160120; GB 2536098 A 20160907; GB 2536098 B 20190828; US 2017342587 A1 20171130

DOCDB simple family (application)

GB 2015053764 W 20151209; AU 2015365719 A 20151209; EP 15813487 A 20151209; GB 201521655 A 20151209; US 201515534359 A 20151209