

Title (en)
LAYERED SHEET

Title (de)
SCHICHTFOLIE

Title (fr)
FEUILLE STRATIFIÉE

Publication
EP 3733400 A4 20211013 (EN)

Application
EP 18896405 A 20181226

Priority
• JP 2017254025 A 20171228
• JP 2018047760 W 20181226

Abstract (en)
[origin: EP3733400A1] Provided is a layered sheet which can provide a metallic luster favorably while maintaining design of a surface of a carbonaceous substrate and can suppress a change in color tone. The layered sheet according to the present invention includes a carbonaceous substrate, a metal layer disposed on a surface of the carbonaceous substrate, and a metal oxide layer disposed on a surface of the metal layer opposite to the carbonaceous substrate.

IPC 8 full level
B32B 15/04 (2006.01); **B32B 5/26** (2006.01); **C23C 14/06** (2006.01); **C23C 14/08** (2006.01); **C23C 14/10** (2006.01); **C23C 14/14** (2006.01); **D06M 10/06** (2006.01); **D06M 11/46** (2006.01); **D06M 11/79** (2006.01); **D06M 11/83** (2006.01); **D06P 1/673** (2006.01); **D06P 5/20** (2006.01); **D06Q 1/04** (2006.01); **D06M 101/40** (2006.01)

CPC (source: EP)
D06M 10/06 (2013.01); **D06M 11/46** (2013.01); **D06M 11/79** (2013.01); **D06M 11/83** (2013.01); **D06P 1/673** (2013.01); **D06P 5/2016** (2013.01); **D06Q 1/04** (2013.01); **D06M 2101/40** (2013.01); **D06P 1/67383** (2013.01)

Citation (search report)
• [X] US 2016251749 A1 20160901 - WU KUAN-TING [TW], et al
• [I] DATABASE WPI Week 199407, Derwent World Patents Index; AN 1994-053613, XP002804093
• See references of WO 2019131728A1

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)
EP 3733400 A1 20201104; **EP 3733400 A4 20211013**; CN 111051056 A 20200421; CN 111051056 B 20230331; JP 2020059289 A 20200416; JP 6651060 B2 20200219; JP WO2019131728 A1 20191226; WO 2019131728 A1 20190704

DOCDB simple family (application)
EP 18896405 A 20181226; CN 201880055438 A 20181226; JP 2018047760 W 20181226; JP 2019537318 A 20181226; JP 2020007475 A 20200121