

Title (en)  
MATERIAL PROVIDED WITH A STACK HAVING THERMAL PROPERTIES

Title (de)  
MIT EINEM STAPEL MIT WÄRMEEIGENSCHAFTEN VERSEHENES MATERIAL

Title (fr)  
MATERIAU MUNI D'UN EMPILEMENT A PROPRIETES THERMIQUES

Publication  
**EP 3762342 A1 20210113 (FR)**

Application  
**EP 19713108 A 20190306**

Priority

- FR 1852033 A 20180308
- FR 2019050499 W 20190306

Abstract (en)  
[origin: WO2019171002A1] The invention relates to a material comprising a transparent substrate overlaid with a stack of thin layers comprising three silver-based, metal functional layers in alternation. This material makes it possible to obtain a multiple glazing unit exhibiting: - good thermal performance, in particular a selectivity greater than 2, - excellent colour neutrality, and - low optical sensitivity.

IPC 8 full level  
**C03C 17/36** (2006.01); **E06B 3/66** (2006.01)

CPC (source: EP US)  
**C03C 17/36** (2013.01 - EP); **C03C 17/3613** (2013.01 - EP); **C03C 17/3618** (2013.01 - US); **C03C 17/3639** (2013.01 - EP US); **C03C 17/3644** (2013.01 - EP US); **C03C 17/3652** (2013.01 - EP US); **C03C 17/366** (2013.01 - EP US); **C03C 17/3668** (2013.01 - US); **C03C 17/3681** (2013.01 - US); **C03C 2217/256** (2013.01 - US); **C03C 2217/70** (2013.01 - US)

Citation (search report)  
See references of WO 2019171002A1

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 2019171002 A1 20190912**; CA 3091699 A1 20190912; EP 3762342 A1 20210113; FR 3078653 A1 20190913; FR 3078653 B1 20231027; MX 2020009315 A 20201007; US 11208349 B2 20211228; US 2021017071 A1 20210121

DOCDB simple family (application)  
**FR 2019050499 W 20190306**; CA 3091699 A 20190306; EP 19713108 A 20190306; FR 1852033 A 20180308; MX 2020009315 A 20190306; US 201916978548 A 20190306