

Title (en)  
FLUOROPOLYMER-BASED COATING WITH TEMPERATURE INDICATOR

Title (de)  
BESCHICHTUNG AUF FLUORPOLYMERBASIS MIT TEMPERATURINDIKATOR

Title (fr)  
REVÊTEMENT À BASE DE FLUOROPOLYMÈRE COMPRENANT UN INDICATEUR DE TEMPÉRATURE

Publication  
**EP 4153687 A1 20230329 (FR)**

Application  
**EP 21734384 A 20210518**

Priority  
• FR 2005086 A 20200519  
• FR 2021050878 W 20210518

Abstract (en)  
[origin: WO2021234284A1] The present invention relates to a fluoropolymer-based coating of the surface of a household article comprising at least two decorations (a) and (b) arranged between or in its layers, wherein: (a) is a decoration comprising at least one thermochromic pigment composition in the form of particles consisting of a (Bi1-xAx) (V1-yMy)O4 type pigment, where: - x is 0 or x is from 0.001 to 0.999; - y is equal to 0 or y is from 0.001 to 0.999; - A and M are selected from the group consisting of nitrogen, phosphorus, an alkali metal, an alkaline earth metal, a transition metal, a poor metal, a metalloid or a lanthanide; - A and M are different from each other; and (b) is a decoration comprising a temperature reference pigment composition.

IPC 8 full level  
**A45D 1/28** (2006.01); **A47J 36/02** (2006.01); **C08K 3/04** (2006.01); **C08K 3/08** (2006.01); **C08K 3/22** (2006.01); **C09D 5/26** (2006.01); **C09D 7/61** (2018.01); **C09D 127/18** (2006.01); **G01K 11/14** (2006.01)

CPC (source: EP KR US)  
**A45D 1/28** (2013.01 - KR US); **A45D 2/001** (2013.01 - US); **A47J 36/02** (2013.01 - EP KR US); **C08K 3/04** (2013.01 - KR); **C08K 3/22** (2013.01 - KR); **C08K 13/02** (2013.01 - KR); **C08L 33/06** (2013.01 - KR); **C09D 5/002** (2013.01 - US); **C09D 5/26** (2013.01 - EP KR US); **C09D 5/29** (2013.01 - US); **C09D 7/61** (2017.12 - EP KR US); **C09D 11/037** (2013.01 - US); **C09D 11/106** (2013.01 - US); **C09D 11/50** (2013.01 - US); **C09D 127/18** (2013.01 - EP KR US); **D06F 75/38** (2013.01 - US); **G01K 11/14** (2013.01 - EP KR US); **A45D 1/28** (2013.01 - EP); **A47J 2202/00** (2013.01 - US); **C08K 3/04** (2013.01 - EP); **C08K 3/22** (2013.01 - EP); **C08K 2003/0837** (2013.01 - EP KR); **G01K 2207/00** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2021234284A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3110588 A1 20211126**; **FR 3110588 B1 20220527**; BR 112022022920 A2 20221213; CN 115667425 A 20230131; CO 2022016589 A2 20221220; EP 4153687 A1 20230329; JP 2023526939 A 20230626; KR 20230012588 A 20230126; US 2023183497 A1 20230615; WO 2021234284 A1 20211125

DOCDB simple family (application)  
**FR 2005086 A 20200519**; BR 112022022920 A 20210518; CN 202180036278 A 20210518; CO 2022016589 A 20221117; EP 21734384 A 20210518; FR 2021050878 W 20210518; JP 2022571094 A 20210518; KR 20227044281 A 20210518; US 202117925891 A 20210518