

Title (en)  
CLADDING ELEMENT WITH VARIABLE COLOURS

Title (de)  
BEKLEIDUNGSELEMENT IN VARIABLEN FARBEN

Title (fr)  
ELEMENT D'HABILLAGE A COLORIS VARIABLES

Publication  
**EP 3178344 A1 20170614 (FR)**

Application  
**EP 15198688 A 20151209**

Priority  
EP 15198688 A 20151209

Abstract (en)  
[origin: WO2017097690A1] The invention relates to a covering element (1) for a portable object comprising a support on which a first material is arranged, said first material being selected so that it can reflect different visible wavelengths according to the stress applied.

Abstract (fr)  
La présente invention concerne un élément d'habillage (1) pour objet portable comprenant un support sur lequel est agencé un premier matériau, ledit premier matériau étant choisi apte à réfléchir des longueurs d'ondes visibles différentes en fonction de la contrainte appliquée.

IPC 8 full level  
**A44C 5/00** (2006.01); **A44C 27/00** (2006.01); **G04B 37/22** (2006.01); **G04B 45/00** (2006.01); **H04M 1/02** (2006.01)

CPC (source: EP US)  
**A44C 5/0053** (2013.01 - EP US); **A44C 27/005** (2013.01 - EP US); **G04B 37/22** (2013.01 - EP US); **G04B 45/0015** (2013.01 - EP US); **G04B 45/0076** (2013.01 - EP US)

Citation (applicant)

- US 2013288035 A1 20131031 - BAUMBERG JEREMY JOHN [GB], et al
- US 5113599 A 19920519 - COHEN ERIC D [US], et al
- BAUMBERG, STRETCHING THE IMAGINATION, TEXTILES, vol. 4, 2009, pages 8 - 10
- "Flexible photonic metastructures for tunable coloration", OPTICAL LETTERS, 2015, pages 255

Citation (search report)

- [XA] EP 1017209 A2 20000705 - NOKIA MOBILE PHONES LTD [FI]
- [XA] FR 2821233 A1 20020823 - F & W AG [DE]
- [A] US 2015108917 A1 20150423 - HAMER JOHN W [US]
- [AD] US 5113599 A 19920519 - COHEN ERIC D [US], et al
- [T] US 2013288035 A1 20131031 - BAUMBERG JEREMY JOHN [GB], et al
- [T] BAUMBERG J: "Stretching the imagination", TEXTILES, vol. 4, 2009, pages 8 - 10, XP002758458
- [T] LI ZHU, JONAS KAPRAUN, JAMES FERRARA, AND CONNIE J. CHANG-HASNAIN: "Flexible photonic metastructures for tunable coloration", OPTICA, vol. 2, no. 3, 12 March 2015 (2015-03-12), pages 255 - 258, XP002758459, DOI: 10.1364/OPTICA.2.000255

Cited by  
CN108741465A; EP3501324A1; CN111479483A; EP4372485A1; US11224266B2; WO2019120645A1

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)  
**EP 3178344 A1 20170614**; CN 108471849 A 20180831; CN 108471849 B 20201127; EP 3386337 A1 20181017; EP 3386337 B1 20200205; HK 1259381 A1 20191129; JP 2019510523 A 20190418; JP 6826118 B2 20210203; US 10996632 B2 20210504; US 2018364646 A1 20181220; WO 2017097690 A1 20170615

DOCDB simple family (application)  
**EP 15198688 A 20151209**; CN 201680078026 A 20161205; EP 16808977 A 20161205; EP 2016079709 W 20161205; HK 19101749 A 20190131; JP 2018529273 A 20161205; US 201616060712 A 20161205