

Title (en)
ADAPTIVE CAMOUFLAGE STRUCTURES

Title (de)
ADAPTIVE TARNSTRUKTUREN

Title (fr)
STRUCTURES ADAPTATIVES DE CAMOUFLAGE

Publication
EP 1883541 A2 20080206 (EN)

Application
EP 06849326 A 20060215

Priority
• US 2006005269 W 20060215
• US 6324905 A 20050222

Abstract (en)
[origin: WO2007084148A2] This invention features an adaptive camouflage structure for disguising an object, the adaptive camouflage structure comprising a first reflective layer comprising a first host material; thereover a second reflective layer comprising a second host material, a first adjustable voltage pattern interlayer between the first reflective layer and the second reflective layer, and a second adjustable voltage pattern interlayer between the second reflective layer and the object, wherein the first reflective layer and the second reflective layer each comprise a plurality of electroactive particles rotatably embedded or dispersed in the respective host material, wherein only a portion of each of some of the electroactive particles in the first reflective layer reflects visible light and only a portion of each of some of the electroactive particles in the second reflective layer reflects infrared radiation, radio frequency, microwave, or UV light.

IPC 8 full level
B41M 5/00 (2006.01); **G09G 3/34** (2006.01)

CPC (source: EP KR)
B32B 27/02 (2013.01 - KR); **F41H 3/00** (2013.01 - EP); **F41H 13/00** (2013.01 - KR); **G02B 26/026** (2013.01 - EP)

Citation (search report)
See references of WO 2007084148A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2007084148 A2 20070726; WO 2007084148 A3 20071206; EP 1883541 A2 20080206; IL 185445 A0 20080106;
JP 2008531962 A 20080814; KR 20070110379 A 20071116; TW 200630583 A 20060901

DOCDB simple family (application)
US 2006005269 W 20060215; EP 06849326 A 20060215; IL 18544507 A 20070822; JP 2007556256 A 20060215; KR 20077021633 A 20070920;
TW 95105668 A 20060220