

Title (en)
OPTICAL COMPONENT FOR PROTECTION AGAINST THERMAL RADIATION

Title (de)
OPTISCHE KOMPONENTE ZUM SCHUTZ GEGEN WÄRMESTRAHLUNG

Title (fr)
COMPOSANT OPTIQUE DE PROTECTION AU RAYONNEMENT THERMIQUE

Publication
EP 2537052 A1 20121226 (FR)

Application
EP 11712928 A 20110217

Priority
• FR 1051221 A 20100219
• FR 2011050339 W 20110217

Abstract (en)
[origin: WO2011101601A1] The present invention relates to an optical component for a thermal screen intended to be placed between a cold medium and a hot medium. According to the invention, the optical component (6) includes a substrate (7) having a first surface designed to be arranged toward the hot medium, said substrate being made of a material transparent to optical radiation in the visible and/or near infrared range of wavelengths and said material having a crystalline or polycrystalline structure. According to the invention, the optical component (6) also includes a thin layer (8) deposited on said second surface of the substrate (7), said thin layer (8) being electrically conductive, transparent to optical radiation of visible and/or near infrared wavelength and reflecting thermal radiation of medium and far infrared wavelength.

IPC 8 full level
G02B 5/28 (2006.01); **F17C 3/08** (2006.01); **F17C 13/00** (2006.01); **G01N 1/42** (2006.01)

CPC (source: EP US)
G02B 5/208 (2013.01 - EP US)

Citation (search report)
See references of WO 2011101601A1

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)
WO 2011101601 A1 20110825; EP 2537052 A1 20121226; FR 2956748 A1 20110826; FR 2956748 B1 20120810; US 2012314280 A1 20121213

DOCDB simple family (application)
FR 2011050339 W 20110217; EP 11712928 A 20110217; FR 1051221 A 20100219; US 201113579947 A 20110217