

Title (en)  
HIGHLY REFLECTIVE MIRROR

Title (de)  
SPIEGEL MIT HOHER REFLEXION

Title (fr)  
MIROIR A REFLEXION ELEVEE

Publication  
**EP 2130070 A1 20091209 (FR)**

Application  
**EP 08717071 A 20080225**

Priority  
• EP 2008052221 W 20080225  
• EP 07103038 A 20070226  
• EP 08717071 A 20080225

Abstract (en)  
[origin: EP1972970A1] The mirror on silico-sodo-calcic glass sheet (1), comprises a multilayer system having a silver-based reflective layer (2), a layer having nickel-chromium alloy below the silver layer, and a protective metallic layer (6) on top of the silver layer. The multilayer system is coated with lacquer for mirrors. The silver layer is covered by the nickel chromium layer (4) comprising 4-10 mg/m<sup>2</sup> of nickel. The silver-based reflective layer comprises 500-650 mg/m<sup>2</sup> of silver. The silico-sodo-calcic glass sheet has a thickness of 2 mm and a light absorption of more than 2% of the transmitted light. The mirror on silico-sodo-calcic glass sheet (1), comprises a multilayer system having a silver-based reflective layer (2), a layer having nickel-chromium alloy below the silver layer, and a protective metallic layer (6) on top of the silver layer. The multilayer system is coated with lacquer for mirrors. The silver layer is covered by the nickel chromium layer (4) comprising 4-10 mg/m<sup>2</sup> of nickel. The silver-based reflective layer comprises 500-650 mg/m<sup>2</sup> of silver. The silico-sodo-calcic glass sheet has a thickness of 2 mm and a light absorption of more than 2% of the transmitted light. The multilayer system has different thickness such that a reflection coloring for illuminating D65 under an angle of 10[deg] is a color present in a colorimetric system for measuring small color values with coordinates a\* and b\* satisfying the relation (a\*<sup>2</sup>+b\*<sup>2</sup>)<sup>1/2</sup> > 5. The lacquer comprises a resin and a pigment free from lead, and is marketed under the name of SK 1825, SK 9320, SK 9930 and LS 4190 and applied to a tenability of 150 g/m<sup>2</sup> with a dry thickness of less than 50 µ.

IPC 8 full level  
**G02B 5/08** (2006.01); **C03C 17/38** (2006.01)

CPC (source: EP US)  
**C03C 17/36** (2013.01 - EP); **C03C 17/3607** (2013.01 - EP); **C03C 17/3644** (2013.01 - EP); **C03C 17/3649** (2013.01 - EP); **C03C 17/3652** (2013.01 - EP); **C03C 17/3663** (2013.01 - EP); **C03C 17/40** (2013.01 - EP); **G02B 1/105** (2020.05 - EP); **G02B 1/14** (2015.01 - EP US); **G02B 5/0875** (2013.01 - EP); **C03C 2217/485** (2013.01 - EP)

Citation (search report)  
See references of WO 2008107327A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1972970 A1 20080924**; EP 2130070 A1 20091209; WO 2008107327 A1 20080912

DOCDB simple family (application)  
**EP 07103038 A 20070226**; EP 08717071 A 20080225; EP 2008052221 W 20080225