

Title (en)

THERMOCHROMIC SYSTEMS WITH CONTROLLED HYSTERESIS

Title (de)

THERMOCHROME SYSTEME MIT KONTROLLIERTER HYSTERESE

Title (fr)

SYSTÈMES THERMOCHROMIQUES AYANT UNE HYSTÉRÉSIS RÉGLÉE

Publication

**EP 2809733 A1 20141210 (EN)**

Application

**EP 12705190 A 20120131**

Priority

US 2012023369 W 20120131

Abstract (en)

[origin: WO2013115800A1] The present disclosure is a method for controlling the hysteresis window and improving the color switching properties of reversible thermochromic dye systems. The method adds preferred co-solvents to existing reversible thermochromic dye systems in order to decrease the temperature range between the full color point and the clearing point. The co-solvents also add resistance to ultraviolet radiation.

IPC 8 full level

**C09D 11/00** (2014.01); **C09D 7/41** (2018.01)

CPC (source: EP US)

**C09D 5/29** (2013.01 - EP); **C09D 7/20** (2017.12 - EP); **C09D 7/41** (2017.12 - EP US); **C09D 7/70** (2017.12 - EP US); **C09D 11/50** (2013.01 - EP US); **B41M 5/305** (2013.01 - EP)

Citation (search report)

See references of WO 2013115800A1

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)

**WO 2013115800 A1 20130808**; BR 112014019014 A2 20170620; BR 112014019014 A8 20170711; CA 2863545 A1 20130808; EP 2809733 A1 20141210; MX 2014009359 A 20151116; ZA 201405842 B 20151125

DOCDB simple family (application)

**US 2012023369 W 20120131**; BR 112014019014 A 20120131; CA 2863545 A 20120131; EP 12705190 A 20120131; MX 2014009359 A 20120131; ZA 201405842 A 20140808