

Title (en)  
PHOTOCHROMIC OPHTHALMIC SYSTEMS THAT SELECTIVELY FILTER SPECIFIC BLUE LIGHT WAVELENGTHS

Title (de)  
PHOTOCHROME OPHTHALMISCHE SYSTEME ZUR SELEKTIVEN FILTERUNG SPEZIFISCHER BLAULICHTWELLENLÄNGEN

Title (fr)  
SYSTÈMES OPHTALMIQUES PHOTOCHROMIQUES QUI FILTRENT SÉLECTIVEMENT LES LONGUEURS D'ONDE DE LUMIÈRE BLEUE SPÉCIFIQUE

Publication  
**EP 2411862 A4 20140716 (EN)**

Application  
**EP 10756850 A 20100325**

Priority

- US 2010028680 W 20100325
- US 16322709 P 20090325

Abstract (en)  
[origin: WO2010111499A1] Ophthalmic systems are provided that include both a photochromic component and a blue-blocking component.

IPC 8 full level  
**G02C 7/10** (2006.01); **A61B 5/103** (2006.01); **G02B 5/23** (2006.01)

CPC (source: CN EP KR US)  
**A61F 2/16** (2013.01 - US); **A61F 2/1659** (2013.01 - EP); **G02B 5/23** (2013.01 - CN EP KR); **G02C 7/102** (2013.01 - CN EP KR US); **G02C 7/104** (2013.01 - KR); **A61F 2002/16965** (2015.04 - EP KR); **G02C 2202/16** (2013.01 - EP KR US)

Citation (search report)

- [XYI] US 4043637 A 19770823 - HOVEY RICHARD J
- [XY] US 3269267 A 19660830 - COLLINS ROBERT D
- [XY] US 2002118431 A1 20020829 - SOMMER HANS-PETER [DE], et al
- [Y] US 2008221674 A1 20080911 - BLUM RONALD D [US], et al
- [T] "Analytical Instrumentation A Study of Qunizarin (Orange Dye 2) in Hexane as a Model Fuel Dye", 31 May 2011 (2011-05-31), XP055122505, Retrieved from the Internet <URL:http://www.labmate-online.com/article\_read/1005/> [retrieved on 20140610]
- See references of WO 2010111499A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

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**WO 2010111499 A1 20100930**; AU 2010229849 A1 20111110; AU 2010229849 B2 20150611; BR PI1013300 A2 20180619; CA 2756668 A1 20100930; CN 102439512 A 20120502; CN 102439512 B 20141210; CN 104360495 A 20150218; CN 104360495 B 20160914; EP 2411862 A1 20120201; EP 2411862 A4 20140716; HK 1165016 A1 20120928; HK 1207426 A1 20160129; JP 2012522270 A 20120920; JP 2015135495 A 20150727; KR 101768548 B1 20170816; KR 20120059448 A 20120608; SG 10201401064W A 20140730; SG 174575 A1 20111028

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