

Title (en)
GLASS SUBSTRATES FOR FLAT SCREENS

Title (de)
GLASSUBSTRATE FÜR FLACHBILDSCHIRME

Title (fr)
SUBSTRATS DE VERRE POUR ECRANS PLATS

Publication
EP 1888473 A2 20080220 (FR)

Application
EP 06794442 A 20060518

Priority
• FR 2006050459 W 20060518
• FR 0551390 A 20050527

Abstract (en)
[origin: FR2886288A1] A glass substrate has the following chemical composition (by wt.%) : (A) silica (SiO₂) : 58 - 72; (B) titanium oxide (TiO₂) : 0.8 - 3; (C) boron oxide (B₂O₃) : 2 - 15; (D) aluminum oxide (Al₂O₃) : 10 - 25; (E) calcium oxide (CaO) : 2 - 12; (F) magnesium oxide (MgO) : 0 - 3; (G) barium oxide (BaO) : 0 - 6; (H) strontium oxide (SrO) : 0 - 4; (I) zinc oxide (ZnO) : 0 - 3; (J) R₂O : 0 - 1, where R₂O represents alkaline oxides. Independent claims are also included for : (1) the continuous fabrication of the substrates; (2) a flat screen incorporating the glass substrate.

IPC 8 full level
C03C 3/091 (2006.01); **C03B 18/02** (2006.01)

CPC (source: EP KR US)
C03C 3/076 (2013.01 - KR); **C03C 3/083** (2013.01 - KR); **C03C 3/087** (2013.01 - KR); **C03C 3/091** (2013.01 - EP US); **C03C 3/108** (2013.01 - KR)

Citation (search report)
See references of WO 2007000540A2

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Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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FR 0551390 A 20050527; CN 200680018570 A 20060518; EP 06794442 A 20060518; FR 2006050459 W 20060518; JP 2008512883 A 20060518; KR 20077026911 A 20071119; US 91451106 A 20060518