

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

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

FR 2886288 A1 20061201; **FR 2886288 B1 20070706**; CN 101184701 A 20080521; EP 1888473 A2 20080220; JP 2008542164 A 20081127; KR 20080017013 A 20080225; US 2008194394 A1 20080814; WO 2007000540 A2 20070104; WO 2007000540 A3 20070809

DOCDB simple family (application)

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