

Title (en)

HIGH REFRACTIVE INDEX GLASSES, MULTIFOCAL CORRECTIVE LENSES CONTAINING SAME

Title (de)

GLÄSER MIT HOHEM BRECHZAHL, DIESE GLÄSER ENTHALTENDE MULTIFOKALE KORREKTURLINSE

Title (fr)

VERRES A INDICE DE REFRACTION ELEVE, ET VERRES CORRECTEURS PROGRESSIFS COMPORTANT LESDITS VERRES

Publication

**EP 1028921 A4 20060405 (EN)**

Application

**EP 98949600 A 19980929**

Priority

- FR 9712664 A 19971010
- US 9820350 W 19980929

Abstract (en)

[origin: FR2769618A1] A high refractive index glass has composition (by wt., on oxide basis) 29-35% SiO<sub>2</sub>, 0.5-5% B<sub>2</sub>O<sub>3</sub>, 0.5-3% Li<sub>2</sub>O, 4-8% Na<sub>2</sub>O, 0-2% K<sub>2</sub>O, 28-40% PbO, 4-14% BaO, 4-12% La<sub>2</sub>O<sub>3</sub>, 3-8% TiO<sub>2</sub>, 0-8% ZnO, 0-4% ZrO<sub>2</sub> and 0-5% Nb<sub>2</sub>O<sub>5</sub>, the sum of Li<sub>2</sub>O+Na<sub>2</sub>O+K<sub>2</sub>O being 5.5-9%. An Independent claim is also included for a multifocal corrective lens comprising one or more segments of the above high refractive index glass welded to a main lens of relatively low refractive index.

IPC 8 full level

**C03C 3/072** (2006.01); **G02B 1/00** (2006.01); **C03C 3/074** (2006.01); **G02C 7/06** (2006.01)

CPC (source: EP)

**C03C 3/072** (2013.01); **C03C 3/074** (2013.01)

Citation (search report)

- [A] FR 2531064 A1 19840203 - SCHOTT GLASWERKE [DE]
- [DA] FR 2508433 A1 19821231 - CORNING GLASS WORKS [US]
- [A] DATABASE WPI Section Ch Week 7735, Derwent World Patents Index; Class L01, AN 77-61694Y, XP002068766
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 100 (C - 0693) 23 February 1990 (1990-02-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 090 (C - 337) 8 April 1986 (1986-04-08)
- See references of WO 9919266A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**FR 2769618 A1 19990416**; **FR 2769618 B1 20000121**; BR 9812743 A 20000829; CN 1272832 A 20001108; EP 1028921 A1 20000823; EP 1028921 A4 20060405; JP 2001519316 A 20011023; WO 9919266 A1 19990422

DOCDB simple family (application)

**FR 9712664 A 19971010**; BR 9812743 A 19980929; CN 98809787 A 19980929; EP 98949600 A 19980929; JP 2000515843 A 19980929; US 9820350 W 19980929