

Title (en)

PROGRESSIVE SPECTACLE LENS WITH REDUCED ALTERATION OF BINOCULAR PROPERTIES DURING AN EYE MOVEMENT

Title (de)

PROGRESSIVES BRILLEGLAS MIT GERINGER ÄNDERUNG DER BINOKULAREN EIGENSCHAFTEN BEI EINER BLICKBEWEGUNG

Title (fr)

VERRE DE LUNETTE PROGRESSIF A FAIBLE VARIATION DES PROPRIETES BINOCULAIRES LORS DU MOUVEMENT DES YEUX

Publication

EP 1279061 A2 20030129 (DE)

Application

EP 01940197 A 20010427

Priority

- DE 0101592 W 20010427
- DE 10020717 A 20000427

Abstract (en)

[origin: WO0184213A2] The invention relates to a spectacle lens comprising: an area intended for looking at far distances and especially ad infinitum (far part); an area intended for looking at near distances and especially reading distances (near part), and a progression area located between the far part and the near part, in which the effect of the spectacle lens increases from the value of the distant reference point situated in the far part to the value of the near reference point situated in the near part along a curve (main line) that bends towards the nose. The invention is characterized, inter alia, in that the deviation (the difference between the maximum and minimum value occurring during the movement) of the binocular imaging properties while a moving object is being followed lies below a physiologically predetermined limit with the purpose of minimizing alteration of the binocular imaging properties during horizontal eye movements.

IPC 1-7

G02C 7/02

IPC 8 full level

G02C 7/06 (2006.01); **G02C 7/02** (2006.01)

CPC (source: EP US)

G02C 7/061 (2013.01 - EP US); **G02C 7/065** (2013.01 - EP US); **G02C 2202/22** (2013.01 - EP US)

Citation (search report)

See references of WO 0184213A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0184213 A2 20011108; **WO 0184213 A3 20020425**; AU 7386001 A 20011112; AU 775951 B2 20040819; DE 10191693 B4 20131205; DE 10191693 D2 20020829; EP 1279061 A2 20030129; JP 2003532156 A 20031028; JP 5068411 B2 20121107; US 2003142266 A1 20030731; US 6776487 B2 20040817

DOCDB simple family (application)

DE 0101592 W 20010427; AU 7386001 A 20010427; DE 10191693 T 20010427; EP 01940197 A 20010427; JP 2001581178 A 20010427; US 28127502 A 20021028