

Title (en)

MULTI-LAYERED MULTIFOCAL LENS WITH BLENDED REFRACTIVE INDEX

Title (de)

MEHRSCHICHTIGE MULTIFOKALLINSE MIT GEMISCHTEM BRECHUNGSINDEX

Title (fr)

LENTILLES MULTICOUCHES A FOCALES MULTIPLES ET A INDICE DE REFRACTION PROGRESSIF

Publication

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Application

EP 07861499 A 20071025

Priority

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Abstract (en)

[origin: WO2008051578A2] The lens of the present invention relates to multifocal spectacle lenses, including bifocal and trifocal lenses, with improved cosmetic appearance, optical performance and wide visual field. The lens comprises a plurality of axially layered and bonded lens sections of continuous curvature at least one of which has a changing refractive index incorporating a refractive index blend area oriented transverse to a meridian of the lens. The blend eliminates visibility of the joining area of adjacent portions of generally constant refractive index and the abrupt magnification shift and image jump typical of segmented multifocal lenses. The areas of generally constant refractive index provide the refractive powers for corresponding discrete vision portions of the lens. The other layer(s) of the lens incorporates a constant or similarly changing refractive index.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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