

Title (en)
MULTIPLE LAYER MULTIFOCAL COMPOSITE LENS

Title (de)
MEHRSCHICHTIGE MULTIFOKAL-VERBUNDLINSE

Title (fr)
LENTILLES COMPOSITES MULTIFOCALES MULTICOUCHES

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Application
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- US 4480208 P 20080414
- US 4761408 P 20080424
- US 4788808 P 20080425
- US 4885108 P 20080429
- US 4886008 P 20080429
- US 4886208 P 20080429
- US 5203408 P 20080509
- US 5270008 P 20080513
- US 5373408 P 20080516
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- US 7898608 P 20080708

Abstract (en)
[origin: WO2009079341A1] Aspects of the present invention provide multiple-layer (multi-layer) composite lenses comprising two or more materials and methods for making the same. A multi-layer composite lens of the present invention can use multiple surfaces (internal or external) to form optical elements that can contribute to a total desired add power. The multiple contributing optical elements can be aligned so as to be in optical communication to form multiple stable vision zones to enhance optical performance and the vision experience of the wearer. Distributing the total desired add power across multiple appropriately aligned optical elements that are in optical communication with one another can reduce the total distortion of the lens, minimize the number of optical discontinuities introduced, can reduce optical power jump as experienced by the wearer's eye when traversing any discontinuity, and can reduce the visibility of any introduced optical discontinuity as perceived by an observer looking at the wearer.

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Citation (search report)

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Citation (examination)

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