

Title (en)  
SERIES FOR PROGRESSIVE SPECTACLE LENSES

Title (de)  
SERIE PROGRESSIVER BRILLENGLÄSER

Title (fr)  
SERIE DE VERRES PROGRESSIFS DE LUNETTES

Publication  
**EP 0754312 A1 19970122 (DE)**

Application  
**EP 95935816 A 19951028**

Priority  

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Abstract (en)  
[origin: US5880810A] PCT No. PCT/DE95/01499 Sec. 371 Date Jun. 28, 1996 Sec. 102(e) Date Jun. 28, 1996 PCT Filed Oct. 28, 1995 PCT Pub. No. WO96/13748 PCT Pub. Date May 9, 1996A series of progressive ophthalmic lenses, each having a varying surface power in a distance part and/or a varying increase in surface power from a distance part to a near part, includes a front surface having a continuously varying surface power and an eye-facing surface, principal sections of which have varying powers and at least one of which deviates from a circular form. The lenses have astigmatic power and are distinguished by a deviation (dz) between an apex circle and a sagitta of each principal section, as given by the equation:  $dz = a_j \cdot r^2 + b_j \cdot r^4$  with coefficients  $|a_j| \leq 2 \cdot 10^{-4} \text{ mm}^{-1}$   $|b_j| \leq 1 \cdot 10^{-6} \text{ mm}^{-3}$  and where coefficients  $a_{j2}$  and  $b_{j2}$  are yielded by the following functionals:  $a_j = f_{j1}(\text{sph}, \text{zyl}) = a_{j1}(\text{sph}) + b_{j1}(\text{sph}) \cdot \text{zyl}$   $b_j = f_{j2}(\text{sph}, \text{zyl}) = a_{j2}(\text{sph}) + b_{j2}(\text{sph}) \cdot \text{zyl}$  with coefficients  $a_{j2}$  and  $b_{j2}$  being a function of a second order.

IPC 1-7  
**G02C 7/02**

IPC 8 full level  
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