Abstract

Method for the manufacture of a spectacle lens, spectacle lens and spectacle lens family

A spectacle lens (1) for the correction of an eyesight deficiency of a spectacle wearer is proposed, comprising a lens surface (5) facing towards the eye (3) of the spectacle wearer and a lens surface (7) facing away from the eye (3) of the spectacle wearer,

wherein the shape of the lens surface (5) of the spectacle lens (1) facing towards the eye (3) of the spectacle wearer is formed of a sphere or a torus to obtain a nominal dioptric power of the spectacle lens (1) for the correction of the eyesight deficiency,

wherein the shape of the lens surface (7) facing away from the eye (3) is provided so as to produce a multifocal property of the spectacle lens (1) such that along a line between a far-vision reference point of the spectacle lens (1) and a near-vision reference point spaced apart therefrom the mean spherical power continuously changes from a first value at the far-vision reference point to a second value at the near-vision reference point,

and wherein the shape of the lens surface (7) facing away from the eye (3) is furthermore designed:

- dependent on the nominal dioptric power at the far-vision reference point, or/and
- dependent on the distance between the two eyes (3) of the spectacle wearer, or/and
- dependent on the distance between the eye (3) of the spectacle wearer and the spectacle lens (1) in its predetermined position of use, or/and
- dependent on an inclination of the spectacle lens (1) in respect of a sightline of the spectacle wearer in

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the predetermined position of use of the spectacle lens (1), or/and

- dependent on a desired distance between the eye (3) of the spectacle lens wearer and an object to be viewed, namely when viewing through the near-vision point of the spectacle lens (1), or/and

- dependent on a nominal prismatic power of the spectacle lens (1), or/and

- dependent on a thickness of the spectacle lens (1).

Furthermore, a method for the manufacture of a spectacle lens is proposed.

(Figure 1)

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