

Title (en)
CORNEAL CURVERS

Title (de)
VORRICHTUNG ZUR KRÜMMUNG EINER HORNHAUT

Title (fr)
FLECHISSEURS CORNEENS

Publication
EP 1143893 A1 20011017 (EN)

Application
EP 99943095 A 19990825

Priority
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Abstract (en)
[origin: WO0013630A1] Curvers may be used for correcting or improving long sightedness, short sightedness, astigmatism and perhaps other deformities. The curver shown in Figures 1 and 2 is suggested to be hard rigid transparent material (3) and soft flexible transparent material (7). Its inner surface may take the curvature the cornea would take if the eye sight were focused. The vacuum formers may be worn like contact lenses. The tube (6) from the vacuum former is connected to the vacuum reserve vessel in Figure 4. The syringe in Figure 3 is connected to socket (8) in the vacuum reserve vessel in Figure 4. When the syringe is opened a vacuum causes the cornea to take the shape of the inner surface of the vacuum former bringing the eye sight into focus. The curver may be worn regularly over a prescribed period of time with the aim of obtaining corrected or improved eye sight long term.

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