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PHOTO-STIMULATION DEVICE

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Abstract of WO2013057242 (A1)

The present invention is related to a device for performing a homogeneous illumination of an eye comprising: - a light source (3); - a first light guide (1) that is optically connected to said light source comprising a plurality of reflecting facets (4) embossed in the light guide, the number, angular orientations and sizes of those facets being arranged for extracting light having a uniform distribution in a direction essentially perpendicular to the first light guide; - a second light guide (2) that is optically connected to the first light guide (1) and comprising a plurality of reflecting facets (6,12) embossed in the second light guide, the number, angular orientations and sizes of those facets being arranged for producing, a uniform light distribution oriented towards the eye (8); - means for immobilizing the device on the head of a user, - said first and second light guides having a concavity oriented to the eye.