

Title (en)

VACUUM COATING UNIT AND A METHOD FOR THE DIFFERENTIATED COATING OF SPECTACLE LENSES

Title (de)

VAKUUMBESCHICHTUNGSANLAGE UND EIN VERFAHREN ZUM ZONENWEISE BESCHICHTEN VON BRILLENGL SERN

Title (fr)

DISPOSITIF D'APPLICATION DE REVETEMENT SOUS VIDE ET PROCEDE D'APPLICATION DE REVETEMENT SUR CERTAINES ZONES, SUR DES VERRES DE LUNETTES

Publication

EP 1702087 A2 20060920 (DE)

Application

EP 04738592 A 20040603

Priority

- DE 2004001138 W 20040603
- DE 10324928 A 20030603

Abstract (en)

[origin: WO2004108977A2] According to the invention, spectacle lenses (4), for example, may be provided with a coating which is not uniform by means of the provision of screens, said screens being aperture rings (10), arranged concentric to a symmetry axis of the vapourising crucible (6) in a vacuum coating unit, by means of a screen holder. The spectacle lenses (4) are arranged on a substrate holder (1) also in circles (3) about the symmetry axis, whereby the shadows cast by the aperture rings (10) cover but a partial region of the spectacle lenses (4) such that said regions of the lenses receive less coating than in the unshaded free regions. The aperture rings (10) are exchangeable in order to match the coating process to the customer requirements. Furthermore, the separation of the substrate holder (1) from the aperture rings (10) is adjustable.

IPC 8 full level

C23C 14/50 (2006.01); **C23C 14/04** (2006.01)

CPC (source: EP US)

C23C 14/044 (2013.01 - EP US); **C23C 14/505** (2013.01 - EP US)

Citation (search report)

See references of WO 2004108977A2

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

WO 2004108977 A2 20041216; **WO 2004108977 A3 20050317**; DE 10324928 A1 20050714; DE 112004001479 D2 20060427; EP 1702087 A2 20060920; US 2006130760 A1 20060622; US 7311939 B2 20071225

DOCDB simple family (application)

DE 2004001138 W 20040603; DE 10324928 A 20030603; DE 112004001479 T 20040603; EP 04738592 A 20040603; US 29409305 A 20051205