

Title (en)

LASER PROCESS FOR THE MODIFICATION OF METALLIC NANOPARTICLES ON LARGE SIZE GLASS SUBSTRATES

Title (de)

LASERVERFAHREN ZUR MODIFIZIERUNG VON METALLISCHEN NANOPARTIKELN AUF GROSSEN GLASSUBSTRATEN

Title (fr)

PROCÉDÉ AU LASER POUR LA MODIFICATION DE NANOPARTICULES MÉTALLIQUES SUR DES SUBSTRATS EN VERRE DE GRANDE DIMENSION

Publication

**EP 3044176 A1 20160720 (EN)**

Application

**EP 14777281 A 20140910**

Priority

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- EP 2014069274 W 20140910
- EP 14777281 A 20140910

Abstract (en)

[origin: WO2015036427A1] A method for modification of optical properties of a glass substrate (1) by modification of nanoparticles comprising a) application of at least one nanoparticle containing layer (2.2) onto the glass substrate (1), b) focusing a laser line (4) onto the nanoparticle containing layer (2.2), c) laser processing of the glass substrate (1) with nanoparticle containing layer (2.2) by movement of the glass substrate (1) in direction x relative to the laser line (4), wherein the glass substrate (1) has got a width of 0.10 m to 5.00 m perpendicular to the direction x and the optical properties of the nanoparticle containing layer (2.2) are modified in step c).

IPC 8 full level

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Citation (search report)

See references of WO 2015036427A1

Citation (examination)

US 2010190038 A1 20100729 - OSAKABE KINOBU [JP], et al

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