

Title (en)

FABRIC WEB HAVING PHOTOCATALYSIS-BASED POLLUTION CONTROL PROPERTIES

Title (de)

FASERNETZ MIT AUF LICHTKATALYSE BERUHENDEN VERSCHMUTZUNGSKONTROLLEIGENSCHAFTEN

Title (fr)

NAPPE TEXTILE PRESENTANT DES PROPRIETES DEPOLLUANTES PAR PHOTOCATALYSE

Publication

**EP 2104550 A2 20090930 (FR)**

Application

**EP 07872004 A 20071220**

Priority

- FR 2007052594 W 20071220
- FR 0655665 A 20061220

Abstract (en)

[origin: FR2910341A1] The web (1) has optical fibers (2) arranged in warp or wet with a binding thread (3). The fiber has an invasive deformation and photocatalytic particles. A free end (6) of the fiber is arranged opposite to a light source (7) for transmitting a light and laterally emitting the light at the level of the deformation to activate the photocatalytic particles. A coating layer integrated with the photocatalytic particles are deposited on the fibers, where the particles are chosen from the group comprising a polymethyl methacrylate plastic, polycarbonate and cyclo-olefine.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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