

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)

B01D 53/885 (2013.01 - EP US); **C02F 1/325** (2013.01 - EP US); **C02F 1/725** (2013.01 - EP US); **C03C 19/00** (2013.01 - EP US); **C03C 25/106** (2013.01 - EP US); **C03C 25/47** (2017.12 - EP US); **C03C 25/68** (2013.01 - EP US); **G02B 6/001** (2013.01 - EP US); **B01D 2255/802** (2013.01 - EP US); **C02F 2201/3224** (2013.01 - EP US); **C02F 2305/10** (2013.01 - EP US); **Y02W 10/37** (2015.05 - EP US); **Y10T 442/20** (2015.04 - EP US); **Y10T 442/2861** (2015.04 - EP US); **Y10T 442/2893** (2015.04 - EP US); **Y10T 442/291** (2015.04 - EP US); **Y10T 442/2918** (2015.04 - EP US); **Y10T 442/3049** (2015.04 - EP US)

Citation (search report)

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DOCDB simple family (application)

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