

## Title (en)

TRANSPARENT SUBSTRATE BEARING AN ANTI-STAIN, HYDROPHOBIC COATING, AND PROCESS FOR MAKING IT

## Title (de)

TRANSPARENTES SUBSTRAT MIT HYDROPHOBER ANTISCHMUTZBESCHICHTUNG UND VERFAHREN ZU DESSEN HERSTELLUNG

## Title (fr)

SUBSTRAT TRANSPARENT PORTANT UNE COUCHE HYDROPHOBE ANTI-TACHE ET SON PROCEDE DE PRODUCTION

## Publication

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## Application

**EP 98953562 A 19981014**

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## Abstract (en)

[origin: WO9919084A1] A process is described for applying a thin-film, hydrophobic, oil-repellant, stain-resistant, optical coating to a transparent substrate. The coating is applied using a treatment solution that incorporates an organosilane in a solvent of water, alcohol, and ethylene glycol or glycerol, and an acid catalyst, with the organosilane having a preferred concentration in the range of 0.05 to 50 mmole per liter. The treatment solution preferably is prepared in a two-step procedure, in which the organosilane is first reacted in concentrated form and then diluted. After the treatment solution has been applied to the transparent substrate, e. g., by dip coating, the coated substrate is dried, preferably by flash-drying at room temperature and then heating it to a prescribed elevated temperature, in a prescribed humidity.

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## Citation (search report)

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- [X] US 4636440 A 19870113 - JADA SIVANANDA S [US]
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- See references of WO 9919084A1

## Designated contracting state (EPC)

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