

Title (en)

FILM CONTAINING AN ODOURLESS FLUORINATED ACRYLIC POLYMER FOR PHOTOVOLTAIC USE

Title (de)

FILM MIT EINEM GERUCHLOSEN FLUORINIERTEN ACRYLPOLYMER ZUR VERWENDUNG IN DER PHOTOVOLTAIK

Title (fr)

FILM A BASE DE POLYMERES FLUORE SANS ODEUR ACRYLIQUE POUR APPLICATION PHOTOVOLTAÏQUE

Publication

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Application

EP 11705010 A 20110111

Priority

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Abstract (en)

[origin: WO2011086318A1] The present invention relates to a composition made of a fluorinated polymer and a white inorganic filler, said composition being intended for the production of single-layer films that are opaque to visible light and to UV rays, which can be used in particular in the field of photovoltaic cells. The polymer composition is made of a fluorinated polymer and zinc oxide (ZnO), said filler being in said composition in a proportion of 20 wt% to 40 wt%, preferably 20 wt% to 35 wt%. By using said filler it is possible to avoid adding acrylic polymers to the fluorinated polymer as well as to use implementation temperatures that are compatible with production by extrusion-blowing of a single-layer film, namely a temperature of the order of 220°C to 260°C, thus preventing the breakdown of the fluorinated polymer.

IPC 8 full level

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See references of WO 2011086318A1

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