

Title (en)
METHOD FOR COATING SUBSTRATES

Title (de)
VERFAHREN ZUR BESCHICHTUNG VON SUBSTRATEN

Title (fr)
PROCEDE D'ENDUCTION DE SUBSTRATS

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Abstract (en)
[origin: WO2007051680A1] The invention relates to a method for coating substrates, comprising the following steps: a) a substrate is provided; b) a composition is applied to at least one side of the substrate, said composition containing an inorganic compound which contains at least one metal and/or semimetal selected among the group encompassing Sc, Y, Ti, Zr, Nb, V, Cr, Mo, W, Mn, Fe, Co, B, Al, In, Tl, Si, Ge, Sn, Zn, Pb, Sb, Bi, or mixtures thereof as well as at least one element selected among the group encompassing Te, Se, S, O, Sb, As, P, N, C, Ga, or mixtures thereof; c) the composition applied in step b) is dried; d) at least one coating is applied to the at least one side of the substrate to which the composition was applied in step b), said coating containing a silane of general formula (Z¹)Si(OR)₃, wherein Z¹ represents R, OR, or Gly (Gly=3-glycidyoxypropyl), R representing an alkyl radical with 1 to 18 carbon atoms and all R being identical or different, oxide particles selected among the oxides of Ti, Si, Zr, Al, Y, Sn, Zn, Ce, or mixtures thereof, a polymer, and an initiator; and e) the coating applied in step d) is dried. Also disclosed is a coated substrate that is obtained according to the inventive method.

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