

Title (en)
UE

Title (de)
KATIONISCH UND/ODER RADIKALISCH POLYMERISIERBARE UND/ODER HÄRTBARE ZUSAMMENSETZUNG AUF DER BASIS VON EINER ORGANISCHEN MATRIX, EINEM SILIKONVERDÜNNUNGSMITTEL UND EINEM PHOTOINITIATOR

Title (fr)
COMPOSITION (E.G. ENCRE OU VERNIS) POLYMERISABLE ET/OU RETICULABLE SOUS IRRADIATION PAR VOIE CATIONIQUE ET/OU RADICALAIRE, A BASE D'UNE MATRICE ORGANIQUE, D'UN DILUANT SILICONE ET D'UN PHOTO-AMORCEUR

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Application
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Abstract (en)
[origin: FR2761368A1] The invention aims at improving such compositions by proposing a non-toxic diluent harmless to reactivity and by making these compositions translucent, free from metallic impurities and capable of constituting light-polymerisable varnish with good properties of ductility for levelling and surface coating. This aim is achieved by the invention which proposes a composition comprising an organic polymerisable matrix A, containing cyclo-aliphatic epoxide resins or not, acrylates, alkenyl-ethers or polyols, a silicon diluent B with viscosity less than 100 MPa's, a radical and/or cationic (onium salt) photoinitiator C, optionally a light-sensitising material D, a pigment E and another additive F; provided that when A = cyclo-aliphatic epoxide resin, B has a metal concentration not more than 100 ppm. The invention also concerns the use of the silicon diluent B for preparing a composition crosslinkable by cationic and/or radical process, under UV radiation, in the presence of a photoinitiator (ink or varnish).

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G03F 7/075; **C08G 59/30**

IPC 8 full level
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DE FR GB

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