

Title (en)
AQUEOUS COATING AGENT

Title (de)
WÄSSRIGES ÜBERZUGSMITTEL

Title (fr)
ENDUIT AQUEUX

Publication
EP 0977817 A1 20000209 (DE)

Application
EP 98922786 A 19980430

Priority
• DE 19719037 A 19970430
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Abstract (en)
[origin: WO9849244A1] An aqueous coating agent contains (a) at least one binder, (b) water, (c) optional catalysts, auxiliary substances, degassing agents, levelling agents, U.V.-absorbers, radical catchers, non-ionic thickeners, biocides, water-retaining agents and/or anti-oxidants, (d) optional colouring and/or effect-producing pigments, (e) optional cross-linking agents. This coating agent is characterised in that it can be prepared by the following steps: (A) the binder is prepared in an organic solvent; (B) the thus obtained binder solution is dissolved or dispersed in critical or supercritical carbon dioxide in critical or supercritical carbon dioxide pressure and temperature conditions; (C) at least 80 % of the organic binder, relative to the total content of organic binders, is extracted from the thus obtained solution or dispersion and optionally recovered; (D) the thus obtained, solvent-impooverished solution or dispersion is added to water in subcritical carbon dioxide pressure and temperature conditions.

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