

Title (en)

METHOD FOR CURING AN ORGANIC COATING USING CONDENSATION HEATING AND RADIANT ENERGY

Publication

**EP 0323061 B1 19930714 (EN)**

Application

**EP 88311679 A 19881209**

Priority

US 14002487 A 19871231

Abstract (en)

[origin: EP0323061A2] Coatings are cured by simultaneous exposure to radiant energy and condensing inert perfluorochemical vapors. The invention also includes an apparatus for use in curing coatings having a vessel (10) with reservoir (5) filled with inert perfluorochemical liquid (4), heated by heater (2). Cooling coils (13) and (14), for condensing perfluorochemical vapors (6), are located in the inlet (11) and outlet (12) of the vessel (10). A coating (8) on a substrate (7) is carried through the vessel (10) on a continuously moving belt (15). The coating (8) is cured by vapors (6) and radiant energy from energy source (9) passing through windows (16).

IPC 1-7

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IPC 8 full level

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