

Title (en)

Method for curing an organic coating using condensation heating and radiant energy.

Title (de)

Verfahren zum Aushärten von organischen Beschichtungen durch Anwendung von Kondensationswärme und Strahlungsenergie.

Title (fr)

Procédé pour durcir des revêtements organiques utilisant de la chaleur de condensation et de l'énergie rayonnante.

Publication

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Application

EP 88311679 A 19881209

Priority

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Abstract (en)

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).

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