

Title (en)

Laser curing of coatings and inks.

Title (de)

Aushärten mit Laser von Beschichtungen und Tinten.

Title (fr)

Durcissements par laser de revêtements et d'encre.

Publication

**EP 0202803 A2 19861126 (EN)**

Application

**EP 86303326 A 19860501**

Priority

- AU 5682286 A 19860514
- AU PH054185 A 19850514

Abstract (en)

A method of curing polymer coatings by laser photochemistry in which UV laser irradiation of the coating containing a photoinitiator sensitive to a selected wavelength of the laser light effects a low energy cure of the coatings. The total energy to effect a cure is markedly reduced by applying a series of pulses of the laser light at a low single pulse fluence. A reduction of the single pulse fluence at a constant pulse repetition rate or a reduction of the pulse repetition rate at a constant single pulse fluence tends to further reduce the total energy required to effect a cure of the coating.

IPC 1-7

**B05D 3/06**; **B41M 7/00**

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CPC (source: EP)

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Cited by

EP0426904A1; EP0402546A3; EP0440178A1; US7522281B2; EP0353583A3; US4983419A; US7022382B1; US6078713A; DE4230149A1; EP0447169A1; US5154861A; DE19649301A1; DE19649301C2; US6165696A; WO2020234576A1; WO0061301A1; WO0050245A1; WO9926732A1; WO9926733A1; WO0198223A1; WO9926728A3

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