

Title (en)

Rolls having release coatings, a method for applying a release coating to a roll, and a method of transporting a viscid web

Title (de)

Walzen mit haftmindernden Beschichtung, Verfahren zum Beschichten einer Walze mit haftmindernden Beschichtung und Verfahren zum Transportieren einer klebrigen Bahn

Title (fr)

Rouleau ayant un revêtement anti-adhérent, procédé pour revêtir un rouleau avec un revêtement anti-adhérent et procédé pour transporter une bande de matériau collant

Publication

EP 0838269 A1 19980429 (EN)

Application

EP 96117020 A 19961023

Priority

- EP 96117020 A 19961023
- US 53920095 A 19951004

Abstract (en)

Release coatings are provided which will bond securely to commonly used structural and elastomeric, rigid and flexible substrates; including metallic and non-metallic materials. The coatings are compositions of varying percentages of 2-phenoxyethyl acrylate, tetraethylene glycol diacrylate, isobutyl benzoate, 1,6 hexanediol diacrylate, cycloaliphatic bis A epoxide, polyurethane acrylate, methyl methacrylate, polysiloxane and other acrylics, tertiary amines, epoxidized novolac, fluorinated alkyloxylate, electromagnetic wave energy sensitive photoinitiators and electromagnetic energy absorbers. Multiple coating layers and multiple frequencies of wave energy are employed to cure the coatings in order to achieve optimum adhesion to substrates combined with optimum release, flexibility, hardness, low friction and abrasion resistance of coatings. The usable electromagnetic wave lengths range from long wave ultraviolet down to short wave gamma rays (i.e. 5500 Å to 0.006 Å). Electron beam bombardment can also be used without photoinitiators. <IMAGE>

IPC 1-7

B05D 3/06; **B05D 7/00**; **F16C 13/00**

IPC 8 full level

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CPC (source: EP)

B05D 3/067 (2013.01); **B05D 3/068** (2013.01); **B05D 7/546** (2013.01); **D21F 1/40** (2013.01)

Citation (search report)

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