

Title (en)

WATER-ACTIVATABLE POLYMERS FOR INK JET-IMPRINTABLE CONSTRUCTIONS

Title (de)

WASSERAKTIVIERBARE POLYMERE FÜR TINTENSTRAHL-BEDRUCKBARE AUFBAUTEN

Title (fr)

POLYMERES A REACTIVATION A L'EAU POUR CONSTRUCTIONS POUVANT ETRE IMPRIMEES PAR JET D'ENCRE

Publication

**EP 1086187 A1 20010328 (EN)**

Application

**EP 99922777 A 19990503**

Priority

- US 9909682 W 19990503
- US 7150298 A 19980501

Abstract (en)

[origin: CA2329838A1] Water-activatable acrylic polymers and image transfer constructions made therewith are provided. The polymers are non-tacky to the touch when dry, but become tacky when activated by water, such as the water in the ink of an ink jet printer. The polymers are acrylic copolymers prepared by emulsion polymerization of a monomer mixture that preferably includes at least one alkyl acrylate, methyl acrylate, vinyl acetate, methacrylic acid and acrylic acid. Image transfer sheets made with the water-activatable polymers include a flexible backing, at least one water-impermeable layer, at least one layer of water-activatable polymers, and a protective detack layer.

IPC 1-7

**C09J 133/08**

IPC 8 full level

**B41M 5/00** (2006.01); **B05D 5/10** (2006.01); **B05D 7/24** (2006.01); **B41M 3/12** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **B44C 1/17** (2006.01); **C08F 220/12** (2006.01); **C09J 133/08** (2006.01)

Citation (search report)

See references of WO 9957215A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

AU 3969699 A 19991123; BR 9911780 A 20011120; CA 2329838 A1 19991111; EP 1086187 A1 20010328; JP 2002513701 A 20020514; MX PA00010728 A 20020702

DOCDB simple family (application)

AU 3969699 A 19990503; BR 9911780 A 19990503; CA 2329838 A 19990503; EP 99922777 A 19990503; JP 2000547174 A 19990503; MX PA00010728 A 19990503