

Title (en)

CORE-SHELL TYPE BINDER AND A METHOD FOR PREPARATION THEREOF

Title (de)

KERNSCHALENARTIGES BINDEMittel UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

LIANT DE TYPE NOYAU-ENVELOPPE ET SON PROCÉDÉ DE PRÉPARATION

Publication

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Application

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Priority

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Abstract (en)

The present invention proposes a core-shell type binder wherein each of core and shell comprise copolymer or terpolymer of acrylic-based monomers; at least one of the core or the shell comprises a suitable crosslinking agent; core and shell have different glass transition temperatures, and the crosslinking agent content of the binder is less than 5% (w/w) based on the total weight of said monomers.

IPC 8 full level

G03G 9/093 (2006.01); **D06P 1/44** (2006.01); **D06P 1/52** (2006.01); **D06P 1/54** (2006.01)

CPC (source: EP)

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Citation (applicant)

- EP 0438284 A1 19910724 - SEQUA CHEMICALS INC [US]
- EP 0302289 A1 19890208 - VIANOVA KUNSTHARZ AG [AT]
- US 2011092118 A1 20110421 - HAIGH JOHN [FR], et al
- YAMAN, JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol. 7, no. 2, 2012, pages 40 - 46
- W.C. MILES: "Textile Printing", 2004, SOCIETY OF DYERS AND COLOURIST, pages: 140
- V.A. SHENAI: "Chemistry of Textile Auxiliaries", 2002, SEVAK PUBLISHER MUMBAI, pages: 231
- BROSTOW, MATERIALS LETTERS, vol. 62, 2008, pages 3152 - 3155

Citation (search report)

- [X] EP 0195661 A2 19860924 - COURTAULDS PLC [GB]
- [A] US 2014107276 A1 20140417 - KIM MIN JUNG [KR], et al
- [A] GB 2330586 A 19990428 - SCOTT BADER CO [GB]

Cited by

CN113174007A; CN115010867A; CN115820171A

Designated contracting state (EPC)

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