Title (en)

PAPER COATING COMPOSITIONS COMPRISING A POLYMER DISPERSION FROM ROOM TEMPERATURE LIQUID AND GASEOUS MONOMERS

Title (de)

PAPIERBESCHICHTUNGSZUSAMMENSETZUNG MIT EINER POLYMERDISPERSION AUS EINER RAUMTEMPERATURFLÜSSIGKEIT UND GASFÖRMIGEN MONOMEREN

Title (fr)

COMPOSITIONS DE REVÊTEMENT DE PAPIER COMPRENANT UNE DISPERSION POLYMÈRE À PARTIR DE LIQUIDE À TEMPÉRATURE AMBIANTE ET DE MONOMÈRES GAZEUX

Publication

EP 2771509 A1 20140903 (EN)

Application

EP 12844209 A 20121026

Priority

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- EP 11186860 A 20111027
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- EP 12844209 A 20121026

Abstract (en)

[origin: WO2013061286A1] Paper coating compositions comprise inorganic pigments and an aqueous polymeric dispersion comprising dispersed polymeric particles. The polymers are obtainable by polymerization of a first monomer that is liquid at room temperature, has a boiling point of at least 50°C and a glass transition temperature of at least 20°C as homopolymer, and a second monomer that is gaseous at room temperature, has a boiling point of below 0°C and a glass transition temperature of below -30°C as homopolymer. The dispersed polymeric particles have an average size of below 150 nm and a glass transition temperature in the range from -10 to +30°C.

IPC 8 full level

D21H 21/16 (2006.01); **C08L 25/10** (2006.01); **C09D 123/08** (2006.01); **C09D 125/10** (2006.01); **C09D 125/12** (2006.01); **D21H 19/56** (2006.01); **D21H 19/58** (2006.01); **D21H 21/52** (2006.01)

CPC (source: EP US)

C09D 123/0853 (2013.01 - EP US); **C09D 125/10** (2013.01 - EP US); **C09D 125/12** (2013.01 - EP US); **D21H 19/56** (2013.01 - US); **D21H 19/58** (2013.01 - EP US); **D21H 21/52** (2013.01 - EP US); C08L 2201/54 (2013.01 - EP US); Y10T 428/254 (2015.01 - EP US)

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