

Title (en)  
WASHABLE CARPET PRODUCTS WITH COATING LAYERS FORMED FROM VINYL ESTER/ETHYLENE COPOLYMER DISPERSIONS

Title (de)  
WASCHBARE TEPPICHPRODUKTE MIT AUS VINYLESTER-/COPOLYMERDISPERSIONEN GEFORMTEN BESCHICHTUNGSSCHICHTEN

Title (fr)  
PRODUITS DE TAPIS LAVABLES POURVUS DE COUCHES DE REVÊTEMENT FORMÉES À PARTIR DE DISPERSIONS DE COPOLYMÈRES DE TYPE ESTER DE VINYLE/ÉTHYLÈNE

Publication  
**EP 2603633 A2 20130619 (EN)**

Application  
**EP 11804780 A 20110812**

Priority  
• US 37309110 P 20100812  
• US 201161481445 P 20110502  
• IB 2011002652 W 20110812

Abstract (en)  
[origin: WO2012020321A2] Disclosed are carpet products comprising at least one flexible substrate and at least one coating layer associated with the at least one flexible substrate. The coating layer is formed from an aqueous composition comprising: A) an emulsifier-stabilized vinyl acetate/ethylene (VAE) emulsion copolymer dispersion wherein the VAE copolymer therein comprises co- monomers which include at least vinyl acetate copolymerized with ethylene and optionally also with other additional functional and/or non-functional co-monomers; and B) at least one particulate filler material selected from particulate inorganic compounds and particulate plastic material. The vinyl acetate/ethylene copolymer in the copolymer dispersion has a particle size, dw, ranging from about 50 to about 500 nm as determined by Laser Aerosol Spectroscopy. Such carpet products maintain their integrity and appearance after multiple machine washing operations. Some of these carpet products which have backing coated with certain of the coating compositions used herein also exhibit desirable non-slip properties.

IPC 8 full level  
**D06N 7/00** (2006.01); **C09D 131/04** (2006.01); **C09J 131/04** (2006.01)

CPC (source: EP US)  
**D06N 3/0006** (2013.01 - US); **D06N 3/0009** (2013.01 - US); **D06N 3/0011** (2013.01 - US); **D06N 3/004** (2013.01 - US); **D06N 3/042** (2013.01 - US); **D06N 7/0073** (2013.01 - EP US); **D06N 2203/042** (2013.01 - EP US); **D06N 2209/106** (2013.01 - EP US); **Y10T 428/23979** (2015.04 - EP US); **Y10T 428/23986** (2015.04 - EP US)

Citation (search report)  
See references of WO 2012020321A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012020321 A2 20120216**; **WO 2012020321 A3 20120426**; BR 112013003394 A2 20190924; CN 103119215 A 20130522; CN 103119215 B 20150923; EP 2603633 A2 20130619; US 2013177733 A1 20130711

DOCDB simple family (application)  
**IB 2011002652 W 20110812**; BR 112013003394 A 20110812; CN 201180039275 A 20110812; EP 11804780 A 20110812; US 201113811962 A 20110812