

Title (en)

POLY(VINYL ALCOHOL) COPOLYMER IONOMERS, THEIR PREPARATION AND USE IN TEXTILE SIZES

Title (de)

POLYVINYALKOHOL-COPOLYMER-IONOMERE, DEREN HERSTELLUNG UND VERWENDUNG ZUR TEXTILBESCHICHTUNG

Title (fr)

IONOMERES DE COPOLYMERES DE POLY(ALCOOL DE VINYLE), LEUR PREPARATION ET LEUR UTILISATION DANS DES ENCOLLAGES DE TEXTILES

Publication

**EP 1144750 A3 20020911 (EN)**

Application

**EP 99933600 A 19990630**

Priority

- US 9914676 W 19990630
- US 10859198 A 19980701

Abstract (en)

[origin: WO0001876A2] Compositions and textile sizes based on those compositions, which are particular poly(vinyl alcohol) copolymer ionomers, as well as blends of those ionomers with other sizing polymers are described. A process to prepare the ionomers is described. The compositions are poly(vinyl alcohol) copolymers which have carboxylic acid ionomer comonomer units. Sizes based on these ionomers are aqueous solutions of the ionomers or solutions of blends of them with other poly(vinyl alcohol) polymers which are not ionomeric, or solution/suspensions of the ionomers with various starches, or both. Desizing in either water or caustic solutions is generally far superior to comparable polymer blends which contain no poly(vinyl alcohol) copolymer ionomer.

IPC 1-7

**D06M 15/00**

IPC 8 full level

**C08F 8/12** (2006.01); **C08F 8/44** (2006.01); **D06M 15/00** (2006.01); **D06M 15/11** (2006.01); **D06M 15/263** (2006.01); **D06M 15/333** (2006.01); **D06M 15/353** (2006.01)

CPC (source: EP)

**C08F 8/44** (2013.01); **D06M 7/00** (2013.01); **D06M 15/11** (2013.01); **D06M 15/263** (2013.01); **D06M 15/333** (2013.01); **C08F 2800/20** (2013.01); **D06M 2200/40** (2013.01)

Citation (search report)

See references of WO 0001876A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 0001876 A2 20000113**; **WO 0001876 A3 20020110**; CA 2335800 A1 20000113; EP 1144750 A2 20011017; EP 1144750 A3 20020911; JP 2002529603 A 20020910

DOCDB simple family (application)

**US 9914676 W 19990630**; CA 2335800 A 19990630; EP 99933600 A 19990630; JP 2000558259 A 19990630