

Title (en)  
PAPERMAKING AND PRODUCTS MADE THEREBY WITH HIGH SOLIDS GLYOXALATED-POLYACRYLAMIDE AND SILICON-CONTAINING MICROPARTICLE

Title (de)  
PAPIERHERSTELLUNG UND DABEI GEWONNENE PRODUKTE MIT GLYOXALIERTEM POLYACRYLAMID MIT HOHEM FESTSTOFFANTEIL UND SILICIUMHALTIGEN MIKROPARTIKELN

Title (fr)  
FABRICATION DE PAPIER ET PRODUITS FABRIQUÉS ASSOCIÉS AVEC UN POLYACRYLAMIDE À GLYOXALATE À HAUTE TENEUR EN MATIÈRES SOLIDES ET DES MICROPARTICULES QUI CONTIENNENT DU SILICIUM

Publication  
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Application  
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Priority  
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• US 22110709 P 20090629

Abstract (en)  
[origin: US2010326615A1] Enhancement of papermaking drainage and retention properties of aqueous cellulosic suspensions used for production of paper or paper board with a retention/drainage additive system including high solids glyoxalated polyacrylamide polymers in combination with silicon-containing microparticles is described.

IPC 8 full level  
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Citation (search report)  
• [X] WO 0034584 A1 20000615 - HERCULES INC [US]  
• [X] WO 9950500 A1 19991007 - CALLAWAY CORP [US]  
• [A] US 2002198306 A1 20021226 - CARR DUNCAN [US], et al  
• [A] US 4605702 A 19860812 - GUERRO GERALD J [US], et al  
• See also references of WO 2011002677A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**US 2010326615 A1 20101230**; AU 2010266518 A1 20120202; AU 2010266518 B2 20130110; BR PI1010049 A2 20160412; CA 2766790 A1 20110106; CN 102482851 A 20120530; EP 2449175 A1 20120509; EP 2449175 A4 20131204; MX 2011013980 A 20120402; NZ 597064 A 20121130; WO 2011002677 A1 20110106; ZA 201109249 B 20120829

DOCDB simple family (application)  
**US 82342110 A 20100625**; AU 2010266518 A 20100625; BR PI1010049 A 20100625; CA 2766790 A 20100625; CN 201080038529 A 20100625; EP 10794581 A 20100625; MX 2011013980 A 20100625; NZ 59706410 A 20100625; US 2010039951 W 20100625; ZA 201109249 A 20111215