

Title (en)
SIZING OF PAPER

Title (de)
PAPIERLEIMUNG

Title (fr)
COLLAGE POUR LA PRODUCTION DE PAPIER

Publication
EP 0963485 B1 20021002 (EN)

Application
EP 98903332 A 19980203

Priority

- EP 98903332 A 19980203
- EP 97850016 A 19970205
- EP 97850017 A 19970205
- SE 9800191 W 19980203
- SE 9704930 A 19971230

Abstract (en)
[origin: WO9833982A2] The invention relates to the use of an aqueous sizing dispersion containing a cellulose-reactive sizing agent and a hydrophobically modified dispersing agent for sizing cellulosic fibres by addition of the sizing dispersion to a stock containing cellulosic fibres, and optional fillers, and dewatering the stock on a wire to obtain a web containing cellulosic fibres, wherein the stock has a cationic demand of at least 50 mu eq/litre stock filtrate. The invention further relates to an aqueous dispersion containing a cellulose-reactive sizing agent and an anionic hydrophobically modified cellulose-derivative, its preparation and use in the production of paper. The invention also relates to a substantially water-free composition containing a cellulose-reactive sizing agent and an anionic hydrophobically modified cellulose-derivative, its preparation and use in the preparation of an aqueous dispersion of cellulose-reactive sizing agent.

IPC 1-7
D21H 17/72

IPC 8 full level
D21H 17/25 (2006.01); **D21H 11/00** (2006.01); **D21H 11/22** (2006.01); **D21H 17/16** (2006.01); **D21H 17/17** (2006.01); **D21H 21/16** (2006.01); **D21H 17/26** (2006.01)

IPC 8 main group level
D21H (2006.01)

CPC (source: EP KR)
D21H 3/00 (2013.01 - KR); **D21H 17/16** (2013.01 - EP); **D21H 17/17** (2013.01 - EP); **D21H 17/26** (2013.01 - EP); **D21H 17/72** (2013.01 - EP); **D21H 21/16** (2013.01 - EP)

Cited by
KR20180096574A; US11692313B2; WO2018171914A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB IT LI NL PT SE

DOCDB simple family (publication)
WO 9833982 A2 19980806; WO 9833982 A3 19981112; AT E225437 T1 20021015; AU 6009998 A 19980825; AU 729667 B2 20010208; BR 9807978 A 20000215; CA 2280136 A1 19980806; CA 2280136 C 20050426; CN 1099502 C 20030122; CN 1280640 A 20010117; DE 69808437 D1 20021107; DE 69808437 T2 20030710; EP 0963485 A2 19991215; EP 0963485 B1 20021002; ES 2183323 T3 20030316; ID 22848 A 19991209; JP 2000509447 A 20000725; JP 3268582 B2 20020325; KR 100339882 B1 20020610; KR 20000070620 A 20001125; NO 993740 D0 19990802; NO 993740 L 19990928; NZ 336572 A 20010126; RU 2177521 C2 20011227; SE 9704930 D0 19971230

DOCDB simple family (application)
SE 9800191 W 19980203; AT 98903332 T 19980203; AU 6009998 A 19980203; BR 9807978 A 19980203; CA 2280136 A 19980203; CN 98802253 A 19980203; DE 69808437 T 19980203; EP 98903332 A 19980203; ES 98903332 T 19980203; ID 990817 A 19980203; JP 53282298 A 19980203; KR 19997006868 A 19990730; NO 993740 A 19990802; NZ 33657298 A 19980203; RU 99119320 A 19980203; SE 9704930 A 19971230