

Title (en)
COLLOIDAL ALUMINA AS A PAPER RETENTION AID

Publication
EP 0355816 A3 19920909 (EN)

Application
EP 89115581 A 19890823

Priority
US 23681688 A 19880826

Abstract (en)
[origin: EP0355816A2] A binder which is added to a paper-making furnish comprising: a colloidal alumina sol having a positive surface charge and a colloidal alumina concentration in the range between 0.1-1%, the colloidal alumina having a particle size in the range between 1-50 nanometers and is added to the furnish in an amount between about 0.025-0.5% by weight; and an anionic polymer flocculant which is added to the furnish in an amount between about 0.01-0.1% by weight.

IPC 1-7
D21H 23/76; **D21H 17/69**

IPC 8 full level
D21H 17/33 (2006.01); **D21H 17/37** (2006.01); **D21H 17/42** (2006.01); **D21H 17/63** (2006.01); **D21H 17/67** (2006.01); **D21H 21/10** (2006.01)

CPC (source: EP)
D21H 17/42 (2013.01); **D21H 17/675** (2013.01); **D21H 21/10** (2013.01)

Citation (search report)

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DOCDB simple family (application)
EP 89115581 A 19890823; BR 8903325 A 19890706; DE 89115581 T 19890823; ES 89115581 T 19890823; JP 21759889 A 19890825