

Title (en)

Colloidal alumina as a paper retention aid.

Title (de)

Kolloidale Tonerde als Papierretentionshilfsmittel.

Title (fr)

Alumine colloïdale comme agent de rétention en papeterie.

Publication

EP 0355816 A2 19900228 (EN)

Application

EP 89115581 A 19890823

Priority

US 23681688 A 19880826

Abstract (en)

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 17/69; **D21H 21/10**; **D21H 23/76**

IPC 8 full level

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CPC (source: EP)

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