

Title (en)
Process for loading fibres

Title (de)
Verfahren zum Beladen von Fasern

Title (fr)
Procédé pour charger des fibres

Publication
EP 1253238 A3 20040114 (DE)

Application
EP 02002837 A 20020208

Priority
DE 10120637 A 20010427

Abstract (en)
[origin: EP1253238A2] In a paper-making process an additive is introduced to a suspension of pre-prepared cellulose fibres by a process (28) of chemical precipitation driven by the introduction of carbon dioxide of (99% pref. (85% purity. The carbon dioxide is introduced from a tank in which it is stored in liquid form. The gas is released and heated to between 10 and 90 degrees C prior to discharge to the fibres. The gas is the by-product of e.g. power station combustion, the incineration of chalk or fossil fuel and is filtered and washed prior to use using an aqueous fluid containing mono-ethanolamine and/or soda ash and/or copper carbonate. The bound carbon dioxide is subsequently precipitated and chilled.

IPC 1-7
D21C 9/00; **D21H 17/70**

IPC 8 full level
D21C 9/00 (2006.01); **D21H 17/70** (2006.01); **D21H 17/67** (2006.01)

CPC (source: EP US)
D21C 9/004 (2013.01 - EP US); **D21H 17/70** (2013.01 - EP US); **D21H 17/675** (2013.01 - EP US)

Citation (search report)

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