

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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**EP 1253238 A2 20021030**; **EP 1253238 A3 20040114**; DE 10120637 A1 20021031; US 2002162638 A1 20021107

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