

Title (en)  
Process for fiber loading

Title (de)  
Verfahren zum Laden von Fasern

Title (fr)  
Procédé de chargement de fibre

Publication  
**EP 2781651 B1 20151230 (EN)**

Application  
**EP 13002403 A 20130502**

Priority  
FI 20135259 A 20130318

Abstract (en)  
[origin: EP2781651A1] The present invention relates to a process for fiber loading by creating calcium carbonate in situ from calcium hydroxide and carbon dioxide. The process comprises adding calcium hydroxide or calcium oxide and carbon dioxide into a suspension. In the process an alkaline alkali metal compound is added to the pulp suspension in a sub stoichiometric catalytic amount relative to the calcium compound for promoting calcium carbonate precipitation in said pulp suspension. After calcium carbonate precipitation, the resultant fiber loaded suspension is dewatered to provide a fibrous web comprising calcium carbonate filler and an aqueous phase depleted of calcium ions.

IPC 8 full level  
**D21H 11/16** (2006.01); **D21H 15/12** (2006.01); **D21H 17/70** (2006.01)

CPC (source: EP FI)  
**D21H 11/16** (2013.01 - EP); **D21H 15/12** (2013.01 - EP); **D21H 17/70** (2013.01 - EP FI); **D21H 17/74** (2013.01 - EP); **D21H 23/10** (2013.01 - FI)

Cited by  
EP3216918A1; US11268241B2; WO2017153562A1; WO2018180699A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2781651 A1 20140924; EP 2781651 B1 20151230**; FI 126072 B 20160615; FI 20135259 A 20140919; PL 2781651 T3 20160630

DOCDB simple family (application)  
**EP 13002403 A 20130502**; FI 20135259 A 20130318; PL 13002403 T 20130502