

Title (en)
FILLER FOR PAPER MAKING PROCESS

Title (de)
FÜLLSTOFF FÜR PAPIERHERSTELLUNG

Title (fr)
CHARGE POUR FABRICATION DE PAPIER

Publication
EP 1778916 A1 20070502 (EN)

Application
EP 05752686 A 20050608

Priority

- SE 2005000862 W 20050608
- EP 04445072 A 20040622
- EP 05752686 A 20050608

Abstract (en)
[origin: WO2005124021A1] The present invention relates to a filler comprising clay and cellulose derivative having a degree of substitution of net ionic groups up to about 0.65. The invention also relates to a filler comprising clay and a cellulose derivative having a degree of substitution of carboxyalkyl groups up to about 0.65. The invention further relates to a method of producing a filler which comprises mixing clay with a cellulose derivative having a degree of substitution of net ionic groups up to about 0.65. The invention also relates to a method of producing a filler which comprises mixing clay with a cellulose derivative having a degree of substitution of carboxyalkyl groups up to about 0.65. The invention further relates to a filler obtainable by the methods. The invention further relates to a papermaking process which comprises providing an aqueous suspension containing cellulosic fibres, introducing into the suspension a filler comprising clay and cellulose derivative having a degree of substitution of net ionic groups up to about 0.65, and dewatering the suspension to form a web or sheet of paper. The invention also relates to a papermaking process which comprises providing an aqueous suspension containing cellulosic fibres, introducing into the suspension a filler clay and cellulose derivative having a degree of substitution of carboxyalkyl groups up to about 0.65, and dewatering the suspension to form a web or sheet of paper.

IPC 8 full level
D21H 17/68 (2006.01); **D21H 17/25** (2006.01); **D21H 23/04** (2006.01)

CPC (source: EP)
D21H 17/68 (2013.01); **D21H 17/25** (2013.01); **D21H 23/04** (2013.01)

Citation (search report)
See references of WO 2005124021A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005124021 A1 20051229; CA 2571083 A1 20051229; CA 2571083 C 20101221; CN 103556526 A 20140205; CN 1965128 A 20070516; EP 1778916 A1 20070502; EP 1778916 B1 20160323; EP 2835468 A1 20150211; EP 2835468 B1 20200311; ES 2574007 T3 20160614; PL 1778916 T3 20161031; PT 1778916 E 20160603; SI 1778916 T1 20160729; TW 200613611 A 20060501; TW I278556 B 20070411

DOCDB simple family (application)
SE 2005000862 W 20050608; CA 2571083 A 20050608; CN 200580018472 A 20050608; CN 201310407519 A 20050608; EP 05752686 A 20050608; EP 13188113 A 20050608; ES 05752686 T 20050608; PL 05752686 T 20050608; PT 05752686 T 20050608; SI 200532077 A 20050608; TW 94119923 A 20050616