

Title (en)
STEAMING PROCESS

Title (de)
DÄMPFUNGSVERFAHREN

Title (fr)
PROCEDE DE TRAITEMENT A LA VAPEUR

Publication
EP 1320640 A1 20030625 (EN)

Application
EP 01960785 A 20010809

Priority
• FI 0100703 W 20010809
• FI 20001787 A 20000814

Abstract (en)
[origin: WO0214599A1] The invention relates to a method of steaming lignocellulosic material to be pulped. The material is treated in a superheated steam atmosphere. The treatment can be used for loosening up the structure of fibre for mechanical pulping and/or for facilitating the absorption of delignifying chemicals into the fibre.

IPC 1-7
D21C 1/02; **D21B 1/02**

IPC 8 full level
D21B 1/02 (2006.01); **D21C 1/02** (2006.01)

CPC (source: EP)
D21B 1/02 (2013.01); **D21C 1/02** (2013.01)

Citation (search report)
See references of WO 0214599A1

Citation (third parties)
Third party :
• US 3619348 A 19711109 - ASPLUND ARNE JOHAN ARTHUR, et al
• GRACE T.M. ET AL.: "Pulp and paper manufacture, 3rd ed., Alkaline pulping", 1996, JOINT TEXTBOOK COMMITTEE OF THE PAPER INDUSTRY, CANADA, ISBN: 0-919893-71, pages: 158 - 160, XP003011495

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0214599 A1 20020221; **WO 0214599 A9 20030619**; **WO 0214599 A9 20030918**; AT E424474 T1 20090315; AU 8218401 A 20020225; DE 60137856 D1 20090416; EP 1320640 A1 20030625; EP 1320640 B1 20090304; FI 117560 B 20061130; FI 20001787 A0 20000814; FI 20001787 A 20020215

DOCDB simple family (application)
FI 0100703 W 20010809; AT 01960785 T 20010809; AU 8218401 A 20010809; DE 60137856 T 20010809; EP 01960785 A 20010809; FI 20001787 A 20000814