

Title (en)
METHODS FOR PULPING AND DEINKING

Title (de)
VERFAHREN ZUM AUFSCHLIESSEN UND DEINKEN

Title (fr)
PROCEDES DE REDUCTION EN PATE ET DE DESENCRAGE

Publication
EP 0793747 A4 19990526 (EN)

Application
EP 95941475 A 19951120

Priority
• US 9515356 W 19951120
• US 34285294 A 19941121

Abstract (en)
[origin: WO9616222A1] Methods of recycling office waste paper of the type having ink and laser printed thereon. The wastepaper is simultaneously pulped and ink particles dispersed by kneading (2) the waste paper in the form of a high solids content aqueous mixture or sludge. After the simultaneous pulping and dispersing, no additional dispersion step is needed to form deinked paper stock. The high solids content aqueous mixture sludge is diluted and forwarded to wet deinking separation devices such as froth floatation unit (12) or the like. The thus treated pulp is washed (18) and results in the formation of a high quality pulp stock (20) ready for bleaching and/or paper making procedures.

IPC 1-7
D21B 1/32; **D21B 1/08**

IPC 8 full level
D21B 1/30 (2006.01); **D21B 1/32** (2006.01); **D21B 1/34** (2006.01); **D21C 5/02** (2006.01)

CPC (source: EP)
D21B 1/30 (2013.01); **D21B 1/32** (2013.01); **D21B 1/342** (2013.01); **D21B 1/345** (2013.01); **Y02W 30/64** (2015.05)

Citation (search report)
• [A] US 5302245 A 19940412 - NADEAU ALLAN [US]
• [A] DE 3439098 A1 19860313 - ESCHER WYSS GMBH [DE]
• See references of WO 9616222A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9616222 A1 19960530; BR 9509797 A 19970930; CA 2203676 A1 19960530; EP 0793747 A1 19970910; EP 0793747 A4 19990526; JP 2001500572 A 20010116

DOCDB simple family (application)
US 9515356 W 19951120; BR 9509797 A 19951120; CA 2203676 A 19951120; EP 95941475 A 19951120; JP 51708996 A 19951120