

Title (en)

MULTI EFFECT HYDROLYSING/DRYING SYSTEM FOR BIOLOGICAL MATERIALS

Title (de)

HYDROLYSIERUNGS-/TROCKNUNGSSYSTEM FÜR BIOLOGISCHE MATERIALEN MIT VIELFACHEFFEKT

Title (fr)

SYSTEME D'HYDROLYSE/DESHYDRATATION A PLUSIEURS EFFETS DESTINE A DES MATIERES BIOLOGIQUES

Publication

EP 0724508 A4 19970827 (EN)

Application

EP 94929051 A 19941006

Priority

- NZ 9400101 W 19941006
- NZ 24888493 A 19931007

Abstract (en)

[origin: WO9509722A1] A process (in one form a combustion process) involving the steam hydrolysis and steam drying of lignocellulosic materials after pretreatment(s) to minimise vitreous formations when combusted and subsequent downstream usage of such substantially hydrolysed and substantially dried materials to generate a combustible powder or a combustible gas. In a preformed form powdering and/or gasification can occur in the oxygen free steam environment and the pressure of the steam environment can assist injection into a gas turbine.

IPC 1-7

B27K 9/00; **C10L 1/18**; **C10L 5/06**; **C10L 5/44**; **D21B 1/02**

IPC 8 full level

B27K 5/00 (2006.01); **C10F 5/00** (2006.01)

CPC (source: EP)

C10F 5/00 (2013.01)

Citation (search report)

- [YA] US 4579562 A 19860401 - TARMAN PAUL B [US], et al
- [A] DE 3248372 A1 19830728 - VOEST ALPINE AG [AT]
- [A] WO 9221735 A1 19921210 - FI PRO LTD [GB]
- See references of WO 9509722A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9509722 A1 19950413; AU 700466 B2 19990107; AU 7824394 A 19950501; BR 9407768 A 19970318; CA 2173440 A1 19950413; CN 1134683 A 19961030; EP 0724508 A1 19960807; EP 0724508 A4 19970827; JP H09505244 A 19970527; NZ 248884 A 19951026

DOCDB simple family (application)

NZ 9400101 W 19941006; AU 7824394 A 19941006; BR 9407768 A 19941006; CA 2173440 A 19941006; CN 94194076 A 19941006; EP 94929051 A 19941006; JP 51074095 A 19941006; NZ 24888493 A 19931007