

Title (en)

CONTINUOUS COOKING WITH REDUCED COST, HORSEPOWER AND PULP DEGRADATION

Publication

EP 0407371 A3 19911127 (EN)

Application

EP 90890180 A 19900607

Priority

US 37265089 A 19890628

Abstract (en)

[origin: EP0407371A2] In the continuous cooking of comminuted cellulosic fibrous material (e.g. wood chips) to produce paper pulp, the material passes upwardly in an impregnation vessel (34) which is within and concentric with a continuous digester (32) and open at the top to digester pressure. At the top of the impregnation vessel, a solids/liquid separator (36) (a screw (37) within a screen cylinder (38)) is provided. Separated liquid is returned in a conduit (41) adjacent the exterior of the impregnation vessel, and open at the top to digester pressure, and passes out the bottom of the digester. The impregnation vessel is welded to the bottom (35) of the digester, and the bottom of the digester is generally hemispherical, and substantially devoid of packings.

IPC 1-7

D21C 7/00; **D21C 7/14**

IPC 8 full level

D21C 3/00 (2006.01); **D21C 7/00** (2006.01); **D21C 7/14** (2006.01)

CPC (source: EP)

D21C 7/00 (2013.01); **D21C 7/14** (2013.01)

Citation (search report)

- [E] EP 0344462 A1 19891206 - KAMYR AB [SE]
- [A] DE 1517139 A1 19690807 - DEFIBRATOR AB
- [A] US 3471366 A 19691007 - REINHALL ROLF B
- [A] FR 1079333 A 19541129 - KAMYR AB, et al

Cited by

US5700355A; WO9410372A1; WO9534712A1

Designated contracting state (EPC)

AT DE FR

DOCDB simple family (publication)

EP 0407371 A2 19910109; **EP 0407371 A3 19911127**; BR 9003023 A 19910820; DE 407371 T1 19911017; FI 903207 A0 19900626; JP H0333287 A 19910213; NO 902849 D0 19900627; NO 902849 L 19910102; SE 506456 C2 19971215; SE 9001782 D0 19900517; SE 9001782 L 19901229

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