

Title (en)
USE OF SUGAR BEET PULP FOR MAKING PAPER OR CARDBOARD

Title (de)
VERWENDUNG VON ZUCKERRÜBENPULPE IN DER PAPIER- ODER PAPPEHERSTELLUNG

Title (fr)
UTILISATION DE PULPES DE BETTERAVE A SUCRE DANS LA FABRICATION DE PAPIER OU DE CARTON

Publication
EP 0880616 A1 19981202 (FR)

Application
EP 97904489 A 19970205

Priority
• FR 9700224 W 19970205
• FR 9601724 A 19960213

Abstract (en)
[origin: WO9730215A1] The use of fermented sugar beet pulp for making paper or cardboard is disclosed as well as a fermented sugar beet pulp composition produced according to a method which comprises the steps of (a) storing the sugar beet pulp under conditions suitable for lactic acid fermentation, particularly until the pH is less than around 5 and advantageously higher than around 3.5, to give fermented pulp, (b) diluting the fermented pulp, particularly until its dry matter content is of around 1-10 %, (c) mechanically processing the diluted fermented pulp to separate the parenchymal cells from the pulp and achieve a pulp size of less than around 1000 micrometers, and (d) optionally bleaching the fermented pulp from step (a) simultaneously with step (b), or bleaching the fermented pulp from step (c).

IPC 1-7
D21H 11/12; **D21H 17/02**

IPC 8 full level
D21H 11/12 (2006.01); **D21H 17/02** (2006.01)

CPC (source: EP US)
D21H 11/12 (2013.01 - EP US); **D21H 17/02** (2013.01 - EP US)

Cited by
WO2020089573A1

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

DOCDB simple family (publication)
WO 9730215 A1 19970821; AT E194671 T1 20000715; AU 1728097 A 19970902; CA 2243294 A1 19970821; CZ 246698 A3 19990113; CZ 293999 B6 20040915; DE 69702499 D1 20000817; DE 69702499 T2 20010419; DK 0880616 T3 20001106; EP 0880616 A1 19981202; EP 0880616 B1 20000712; FR 2744735 A1 19970814; FR 2744735 B1 19980410; HU P9901632 A2 19990830; HU P9901632 A3 20010129; NO 983695 D0 19980812; NO 983695 L 19980812; PL 190453 B1 20051230; PL 328303 A1 19990118; US 6074856 A 20000613

DOCDB simple family (application)
FR 9700224 W 19970205; AT 97904489 T 19970205; AU 1728097 A 19970205; CA 2243294 A 19970205; CZ 246698 A 19970205; DE 69702499 T 19970205; DK 97904489 T 19970205; EP 97904489 A 19970205; FR 9601724 A 19960213; HU P9901632 A 19970205; NO 983695 A 19980812; PL 32830397 A 19970205; US 12520398 A 19980821