

Title (en)

A METHOD OF COMMINUTING FOR COMBUSTION SUCH WOOD OR CELLULOSE MATERIAL AS IS PRECOMPRESSED, OR BOARD- OR STRIP-LIKE PER SE, AND AN APPARATUS FOR CARRYING OUT THE METHOD

Publication

EP 0015249 A3 19800917 (EN)

Application

EP 80850019 A 19800222

Priority

SE 7901620 A 19790222

Abstract (en)

[origin: EP0015249A2] A method and a machine for comminuting precompact or board-like cellulose material, especially for feeding a stoker plant, for example, while using a roll pair (4, 5) for receiving the material, where each roll (e.g. 4) is provided about its periphery with alternating projections (6) and depressions (7) corresponding to depressions (7) and projections (6) on the second roll (5) in each such pair, which is driven with the same peripheral velocity for both rolls (4, 5). Said projections (6) and depressions (7) along the periphery and axially can have pyramidal shape, for example, the distance between the rolls being adjustable such that the sum of the radius to the crest of a projection (6) on one roll (4) and the radius to the bottom of a depression (7) on the corresponding roll (5) and complementary to said projection (6) is less than the distance between the central axes (9, 10) of the rolls.

IPC 1-7

F23G 5/02; **F23G 5/00**; **B02C 4/08**

IPC 8 full level

F23K 1/00 (2006.01); **B02C 4/08** (2006.01); **F23G 5/033** (2006.01); **F23G 5/44** (2006.01)

CPC (source: EP)

B02C 4/08 (2013.01); **F23G 5/033** (2013.01); **F23G 5/444** (2013.01); **F23G 2209/22** (2013.01); **F23G 2209/261** (2013.01)

Citation (search report)

- US 3480189 A 19691125 - TOPOLSKI ALVIN S, et al
- DE 1178543 B 19640924 - WALTER JOSEF MARTIN DIPL ING
- DE 566117 C 19321210 - MIAG MUEHLENBAU, et al
- GB 191005562 A 19101124 - WALKER ARTHUR [GB], et al
- US 2241491 A 19410513 - PROSSER TRELOAR WILLIAM
- DE 95407 C
- FR 923938 A 19470722 - DU PONT
- DE 1225333 B 19660922 - STEINMUELLER GMBH L & C
- FR 2329939 A1 19770527 - GOERGEN FRITZ [CH]
- DE 2552431 A1 19770602 - KRUPP GMBH
- DE 1227313 B 19661020 - KLOECKNER HUMBOLDT DEUTZ AG
- DE 2519508 A1 19761118 - ZWANGER KARL A GMBH
- GB 1320343 A 19730613 - ALVAN BLANCH DEV CO LTD
- DE 1126059 B 19620322 - ESSLINGEN MASCHF

Cited by

CN111076179A; GB2448547A

Designated contracting state (EPC)

AT BE CH DE FR GB IT

DOCDB simple family (publication)

EP 0015249 A2 19800903; **EP 0015249 A3 19800917**; DK 78880 A 19800823; FI 800540 A 19800823; JP S55142551 A 19801107; NO 150615 B 19840806; NO 150615 C 19841114; NO 800506 L 19800825; SE 429682 B 19830919; SE 7901620 L 19800823

DOCDB simple family (application)

EP 80850019 A 19800222; DK 78880 A 19800222; FI 800540 A 19800222; JP 2066480 A 19800222; NO 800506 A 19800222; SE 7901620 A 19790222