

Title (en)

MEANS FOR DEFIBRATING AND SORTING PULP IN PAPER AND CELLULOSE INDUSTRY

Publication

**EP 0273019 A3 19890201 (EN)**

Application

**EP 87850358 A 19871119**

Priority

FI 865282 A 19861222

Abstract (en)

[origin: EP0273019A2] A means for defibrating and sorting pulp in paper and cellulose industry, comprising a defibrating means (1,2) consisting of a rotor (2) and a stator (1), wherebetween is established a defibrating zone, and of a sorter (3,4) consisting of another rotor (3) and another stator (4), wherebetween is established a sorting zone, and said stator (4) of the sorter being formed to be sieve-like, and said means comprising a pulp feed (6), accept removal (7) and reject removal (8). At present, defibrating and sorting processes have to be carried out using separate apparatus, which is expensive and space-consuming. With the aid of the present invention, the problem is solved in that the angle ( alpha ) between the centre-line of the shaft (9) of the rotor (2) of the defibrating means (1,2) and the defibrating zone is 5 to 45 DEG and the angle ( beta ) between the sorting zone and the shaft (9) of the rotor (3) of the sorter (3,4) is 75 to 105 DEG , and that the defibrating and the sorting processes take place in the same pulp space (5).

IPC 1-7

**D21D 1/22**; **D21D 5/04**

IPC 8 full level

**D21D 1/22** (2006.01); **D21D 5/04** (2006.01)

CPC (source: EP)

**D21D 1/22** (2013.01); **D21D 5/04** (2013.01)

Citation (search report)

- [A] WO 8504433 A1 19851010 - SUNDS DEFIBRATOR [SE]
- [A] FR 1385712 A 19650115 - INGERSOLL RAND CANADA
- [A] FR 2489712 A1 19820312 - SUNDS DEFIBRATOR INC [US]
- [A] DE 1511177 B1 19691106 - TAMPELLA OY AB
- [A] US 3437204 A 19690408 - CLARKE-POUNDER IAN J H

Designated contracting state (EPC)

AT DE FR GB SE

DOCDB simple family (publication)

**EP 0273019 A2 19880629**; **EP 0273019 A3 19890201**; FI 76600 B 19880729; FI 76600 C 19881110; FI 865282 A0 19861222; NO 875351 D0 19871221; NO 875351 L 19880623

DOCDB simple family (application)

**EP 87850358 A 19871119**; FI 865282 A 19861222; NO 875351 A 19871221