

Title (en)

APPARATUS FOR DEHYDRATING AND DRYING A CRUSHED SYNTHETIC MATERIAL WASTE

Publication

**EP 0067277 A3 19830706 (DE)**

Application

**EP 82102397 A 19820323**

Priority

DE 3123592 A 19810613

Abstract (en)

[origin: EP0067277A2] 1. Apparatus for dehydrating and drying crushed synthetic material waste, having arranged in an oblong housing (1) a rotor (10) with material guide- and air suction arrangements distributed over the circumference of the rotor and staggered in the longitudinal direction of the rotor, and having inside the housing (1) a strainer basket (4) which encloses the rotor (10) with a space inbetween and which forms with the outside diameter of the rotor an annular gap, the synthetic material waste being conveyable inside the annular gap through the action of rotor rotation from one end of the housing having a bulk material inlet (8) to the other end of the housing having a bulk material outlet (9), and having an arrangement for supplying air to the annular gap for drying the synthetic material waste, characterised in that over approximately 2/3 of the length of that portion of the apparatus which faces the material delivery the upper region of the strainer basket (4) is provided with several openings (17) to which in order to form the air supply arrangement there is connected in each case an air intake (6, 6a, 6b, 6c) which passes through the housing (1), and in that there is associated with each air intake (6, 6a, 6b, 6c) an air outlet (13) arranged in the housing (1) outside the strainer basket (4).

IPC 1-7

**F26B 7/00**; **F26B 5/08**; **F26B 17/20**

IPC 8 full level

**F26B 5/08** (2006.01); **F26B 7/00** (2006.01); **F26B 17/20** (2006.01)

CPC (source: EP)

**F26B 5/08** (2013.01); **F26B 7/00** (2013.01); **F26B 17/20** (2013.01)

Citation (search report)

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- [A] CH 620859 A5 19801231 - NAKAMURA KENSAKU
- [E] DE 3028687 A1 19820519 - BUCKAU WALTHER AG [DE]
- [A] DE 2454208 A1 19760526 - LOEDIGE MASCHBAU GMBH GEB

Cited by

US6440169B1; GB2210152A; GB2210152B

Designated contracting state (EPC)

AT CH FR GB IT LI

DOCDB simple family (publication)

**EP 0067277 A2 19821222**; **EP 0067277 A3 19830706**; **EP 0067277 B1 19850619**; AT E13945 T1 19850715; CS 230594 B2 19840813; DD 202207 A5 19830831; DE 3123592 A1 19821230; PL 236910 A1 19830214

DOCDB simple family (application)

**EP 82102397 A 19820323**; AT 82102397 T 19820323; CS 422782 A 19820607; DD 24054582 A 19820608; DE 3123592 A 19810613; PL 23691082 A 19820614