

Title (en)  
LOW-TEMPERATURE DRYER FOR PRESSED FIBROUS MATERIAL

Publication  
**EP 0197171 B1 19890920 (DE)**

Application  
**EP 85104278 A 19850409**

Priority  
EP 85104278 A 19850409

Abstract (en)  
[origin: EP0197171A1] 1. A low temperature drier for a pressed fibrous material, in particular leached sugar beet pulp, in which the material supplied at the top by a supply device can be conveyed downwards over a plurality of successive plate-shaped tiers (6-9), each tier is arranged in a housing-like pressure chamber, comprises a flat, air-permeable annular floor (20), a distributor (67, 69) which spreads out the material in an even thickness and a clearing device (68, 70), which clears the material from the annular floor approximately in a radial direction and supplies the material via a through opening to the underlying tier, and a dry air conveyor is provided formed by fans (13) and heating installations (11), by means of which dry air conveyor dry air can be supplied to the pressure chambers and can be drawn off after passing through the annular floors (20) and the layers of material disposed thereon, characterised in that a central dry air distribution shaft (5) is provided, which extends over all tiers (6-9), is sealed at the top and whose lower end is connected to the fans (13) and heating installations (heat exchanger 11) arranged beneath the lowermost tier (6), in that each pressure chamber is designed as a closed annular chamber (18a) concentrically enclosing the dry air distribution shaft (5) and is connected with the dry air distribution shaft (5) via closable air inlets (17) and in that each permeable annular floor (20) with the closed annular chamber (18a) of the underlying tier defines an annular outflow chamber (24) for the exhaust air, which chamber opens radially outwards into an exhaust air collector (25) concentric to the shaft.

IPC 1-7  
**F26B 17/32**

IPC 8 full level  
**F26B 17/00** (2006.01); **F26B 21/02** (2006.01)

CPC (source: EP)  
**F26B 17/005** (2013.01); **F26B 21/02** (2013.01)

Cited by  
WO2023151990A1; WO2013139720A1; BE1030270A1; BE1030270B1; BE1024440B1; CN109982723A; BE1020153A5; CN104204701A; RU2623349C2; CN109135775A; US11266139B2; WO2018099850A1; US9347705B2; WO2023144067A1; BE1030218A1; WO2023144064A1; BE1030217A1

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