

Title (en)

ANNULAR DRYING ELEMENT, METHOD AND USE HEREOF AND DRYING APPARATUS

Title (de)

RINGFÖRMIGES TROCKNUNGSELEMENT, VERFAHREN DAFÜR UND VERWENDUNG DAVON SOWIE TROCKNUNGSVORRICHTUNG

Title (fr)

ELEMENT DE SECHAGE ANNULAIRE, PROCEDE ET UTILISATION ASSOCIES ET DISPOSITIF DE SECHAGE

Publication

**EP 1344009 A1 20030917 (EN)**

Application

**EP 01270740 A 20011206**

Priority

- DK 0100809 W 20011206
- DK PA200001858 A 20001212

Abstract (en)

[origin: WO0248628A1] Annular drying element (15) for mounting on a rotor axle in a drying apparatus, and where the drying element comprises at least two annular plate elements, a first (16') and a second plate element (16''), where at least the first plate element (16') is configured with a number of through-going openings (25) in the plate. The plate element with said openings (25) is lying opposite the non-broken through surface (51) of the adjacent plate element, and the plate elements are connected to one other by welding (52) along the edge (53) of the openings, and the non-broken through surface (51) lying in the bottom of an opening (25) is perced to provide through-going holes (54) through the annular plate element, extending from the one side to the other side of the drying element (15). There is hereby achieved an annular drying element, in that the substantially identical drying elements are assembled against each other by being welded together at the periphery and along the inner circumference, whereby a pressure-tight assembly is achieved. Moreover, welding is carried out along the whole periphery of the openings, so that this welding fastens partly against the edge of the opening in the first plate and partly against the adjacent non-broken surface of the opposite plate element. There is hereby achieved a pressure-tight element, and where it is subsequently possible to carry out piercings corresponding to the earlier openings, insasmuch as here a piercing shall thus be carried out only through a single plate.

IPC 1-7

**F26B 11/12**; **F26B 11/16**

IPC 8 full level

**F26B 17/20** (2006.01); **F26B 17/28** (2006.01)

CPC (source: EP)

**F26B 17/20** (2013.01); **F26B 17/28** (2013.01)

Citation (search report)

See references of WO 0248628A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0248628 A1 20020620**; AT E346272 T1 20061215; AU 2156302 A 20020624; DE 60124762 D1 20070104; DE 60124762 T2 20070913; DK 174551 B1 20030526; DK 200001858 A 20020613; EP 1344009 A1 20030917; EP 1344009 B1 20061122; ES 2276742 T3 20070701

DOCDB simple family (application)

**DK 0100809 W 20011206**; AT 01270740 T 20011206; AU 2156302 A 20011206; DE 60124762 T 20011206; DK PA200001858 A 20001212; EP 01270740 A 20011206; ES 01270740 T 20011206