

Title (en)  
Steam dryer

Title (de)  
Dampftrockner

Title (fr)  
Séchoir à vapeur

Publication  
**EP 2249113 B1 20180711 (EN)**

Application  
**EP 09159735 A 20090508**

Priority  
EP 09159735 A 20090508

Abstract (en)

[origin: EP2249113A1] The invention concerns a steam dryer for evaporating of water and/or other liquid from wet materials or evaporating of materials in a liquid state. The dryer (10) comprises a cylindrical rotatable drum (11) having a shell (12) and provided with a feed end (14) delimited by a feed end plate (15), and a discharge end (16) closed by a discharge end plate (17). A plurality of steam pipe elements (26) are inserted in the drum (11). Each steam pipe element (26) comprises axial pipes (27) parallel to a longitudinal direction of the drum (11) and interconnected by transverse intermediate pipes (28). The steam pipe elements (26) are rotatable with the drum (11). A stationary end chamber (18) and a steam distributor manifold (21) are arranged at the discharge end area of the drum (11). Conveyance means (22) are disposed at the feed end (14) of the drum (11) for supplying the wet materials or the materials in a liquid state into the steam dryer (10) for evaporating. The stationary end chamber (18) is arranged at the discharge end area of the drum (11) in the axial direction between the discharge end plate (17) and the feed end plate (15) such that the discharge end plate (17) is situated outside of the discharge end chamber (18). The discharge end chamber (18) surrounds a portion of the drum (11) and it has a lower opening (19) to discharge dried material or remaining liquid and an upper opening (20) to discharge vapour from the drum (11). The steam distributor manifold (21) is arranged at the discharge end (16) of the drum (11) outside of the discharge end plate (17) to supply the steam pipe elements (26) with steam and to remove condensate formed in the steam pipe elements (26).

IPC 8 full level

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Cited by

CN111678311A; CN111854372A; CN101988793A; CN102772908A; WO2012120182A1; EP3323898B1; EP3323898B2

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DOCDB simple family (publication)

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