

Title (en)

Process for drying material and apparatus for carrying out the process

Title (de)

Verfahren zur Trocknung von Gut und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour séchage de matériau et dispositif pour mettre en oeuvre le procédé

Publication

EP 1528342 A3 20050720 (DE)

Application

EP 04405298 A 20040510

Priority

- EP 04405298 A 20040510
- EP 03405783 A 20031031

Abstract (en)

[origin: EP1528342A2] The drying system has a vacuum chamber (1) which encloses the workpiece (1.1). A cascade evaporator (24) evaporates a solvent. The vapor flows downward (29) from the evaporator and heats the workpiece by condensing on it. The solvent vapor (5.4) flows downward through a guide channel (5). There is a guide sheet which guides a mixed stream of water vapor and solvent vapor (30) from the vacuum chamber and forms a venturi nozzle. A circuit external to the vacuum chamber includes a pump (8), control valves (20.8,20.9) and a solvent heater (25) and a solvent evaporator (24.2).

IPC 1-7

F26B 21/14; **F26B 5/04**

IPC 8 full level

F26B 5/04 (2006.01); **F26B 21/14** (2006.01)

CPC (source: EP)

F26B 5/04 (2013.01); **F26B 21/145** (2013.01)

Citation (search report)

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