

Title (en)
DRYING AND/OR PROCESSING OF MATERIALS

Title (de)
TROCKNEN UND/ODER BEHANDELN VON MATERIALIEN

Title (fr)
SÉCHAGE ET/OU TRAITEMENT DE MATÉRIAUX

Publication
EP 2344824 A2 20110720 (EN)

Application
EP 09752449 A 20091110

Priority
• GB 2009002630 W 20091110
• GB 0820780 A 20081113
• GB 0912369 A 20090716

Abstract (en)
[origin: GB2465361A] A method of drying or processing materials in a drying or processing cylinder, or other drying or processing apparatus, located within or forming at least part of an enclosure 1. At least a portion of a process gas entering a higher pressure region 4 of the enclosure is routed by a fan 2 through a venturi and around, over, across, through or adjacent the open end of a material input tube 7 at increased speed and reduced pressure. This provides suction at the opening of the material input tube into the higher pressure region of the enclosure which is sufficient to prevent, or substantially prevent, the pressure at the higher pressure region of the enclosure causing the process gas atmosphere in the enclosure to be blown through the tube and out of the enclosure into the external air or other gas atmosphere outside the apparatus. Preferably, the venturi is defined by an annulus formed by the material input tube located coaxially within a process gas duct 6, 8. The speed of the fan may be controlled. In a further aspect, an associated apparatus is disclosed.

IPC 8 full level
F26B 21/00 (2006.01); **F26B 21/06** (2006.01)

CPC (source: EP GB)
F26B 11/024 (2013.01 - EP); **F26B 11/028** (2013.01 - EP); **F26B 17/106** (2013.01 - GB); **F26B 21/001** (2013.01 - EP); **F26B 21/02** (2013.01 - EP); **F26B 21/06** (2013.01 - EP GB); **F26B 21/12** (2013.01 - EP); **F26B 23/00** (2013.01 - GB); **F26B 2200/18** (2013.01 - EP); **F26B 2200/24** (2013.01 - EP)

Citation (examination)
US 5711086 A 19980127 - STUBBING THOMAS JOHN [GB]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
GB 0820780 D0 20081217; **GB 2465361 A 20100519**; CN 102132120 A 20110720; CN 102132120 B 20141217; EP 2344824 A2 20110720; GB 0912369 D0 20090826; GB 2465246 A 20100519; GB 2465246 B 20131120; HK 1142122 A1 20101126; MY 159158 A 20161230; WO 2010055281 A2 20100520; WO 2010055281 A3 20101118

DOCDB simple family (application)
GB 0820780 A 20081113; CN 200980132659 A 20091110; EP 09752449 A 20091110; GB 0912369 A 20090716; GB 2009002630 W 20091110; HK 10108526 A 20100908; MY PI2011002126 A 20091110