

Title (en)
CENTRIFUGAL DRIER

Publication
EP 0454045 B1 19930804 (DE)

Application
EP 91106497 A 19910423

Priority
DE 4013388 A 19900426

Abstract (en)
[origin: EP0454045A2] Centrifugal dryer with horizontal drive shaft (7) and inner filling pipe and a drum floor driven in rotation, from which a cylindrical drum casing (32) and the tapering end of an inner metal filter cone (36) start, the conical annular space between casing and filter cone being separated by axial web walls (40) into pressure chambers (42), each of which contains in the drum floor a diffuser orifice (44), which orifices are assigned in the fixed rear wall (45) of the centrifuge housing an upper and a lower pressure gas nozzle (47) for feeding intermittently controlled blasts of pressure gas and having an axially movable baffle plate (52) which is driven in rotation, closes off the filter cone or adjusts an outlet gap in such a way that the centrifuged material passes, under centrifugal force, along the filter cone in a controlled layer thickness and through the outlet gap into an annular channel surrounding the open end of the cone, from which channel it is transported away with blades (11) attached to the circumference of the drum and/or conveying gas which is blown in. <IMAGE>

IPC 1-7
B04B 3/00

IPC 8 full level
B04B 3/00 (2006.01); **B04B 15/06** (2006.01)

CPC (source: EP US)
B04B 3/00 (2013.01 - EP US); **B04B 15/06** (2013.01 - EP US)

Citation (examination)
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Cited by
DE19635346C1; DE10115381A1; CN106391330A; DE102007003071A1; CN105916590A; DE102006009200A1; EP1958698A1; US6408536B1; DE19903125B4; CZ300915B6; DE102005028825A1; EP1797959A1; DE102005028832A1; WO02078852A1; WO0044767A3; WO2008104535A2; US7972520B2; WO2006133859A3; WO2006133858A3; WO2008104535A3; WO2007096044A3

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