

Title (en)  
AIR FLOW DRYING DEVICE

Title (de)  
LUFTSTROMTROCKNUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE SÉCHAGE PNEUMATIQUE

Publication  
**EP 2908077 A4 20160713 (EN)**

Application  
**EP 13845246 A 20131002**

Priority  
• JP 2012225302 A 20121010  
• JP 2013076863 W 20131002

Abstract (en)  
[origin: EP2908077A1] An air flow drying device (1) equipped with a vertical cylindrical housing (10), a raw material supply portion (12) that supplies a raw material containing moisture into the housing (10), a disk-shaped rotator (55) that is disposed below the raw material supply portion (12) and rotates on a vertical rotating axis, a pulverization member (62) that is disposed on an outer periphery of the rotator (55) and pulverizes the raw material into a granule, a hot wind supply portion (20) that supplies a hot wind below the rotator (55) in the housing (10), and a discharge portion (11) that discharges the granule from an upper portion of the housing (10), with the granule pulverized by the pulverization member (62) being dried by the hot wind and discharged. In addition, the housing (10) has an annular liner (30) that opposes the pulverization member (62), and hot wind supply portion (20) has an outer circumferential portion (21) where the hot wind flows contacting the outer circumferential surface of the liner (30), and an inner circumferential portion (22) that guides the hot wind to the gap between the pulverization member (62) and the liner (30) through below the liner (30).

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [X1] JP 2008194592 A 20080828 - HOSOKAWA FUNTAI GIJUTSU KENKYU  
• [A] JP 2010046646 A 20100304 - HOSOKAWA MICRON KK  
• [A] JP 2008183527 A 20080814 - NIKKO KINZOKU KK, et al  
• See references of WO 2014057851A1

Cited by  
EP3992561A1; WO2022090216A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 13845246 A 20131002**; CN 201390000804 U 20131002; JP 2013076863 W 20131002; JP 2014540816 A 20131002; KR 20157008874 A 20131002