

Title (en)
Device and method for conveying powder material

Title (de)
Vorrichtung und Methode zum Fördern von Pulver

Title (fr)
Dispositif et procédé pour transporter de la poudre

Publication
EP 1752399 A1 20070214 (DE)

Application
EP 05017597 A 20050812

Priority
EP 05017597 A 20050812

Abstract (en)
The powder transport device has a transport chamber (FK1) arranged between a powder inlet valve and a powder outlet valve. The transport channel is connected via a first channel (8) to a vacuum valve (W1) via which a vacuum is produced in the transport chamber and via a second channel (9) opposite the first channel to a compressed air valve (DV1). An independent claim is also included for a powder transport method.

IPC 8 full level
B65G 53/28 (2006.01)

CPC (source: EP)
B05B 7/1459 (2013.01)

Citation (applicant)
• WO 2005051549 A1 20050609 - NORDSON CORP [US], et al
• WO 2004087331 A1 20041014 - BOERGER & CO GMBH H [DE], et al

Citation (search report)
• [E] EP 1566352 A2 20050824 - DUERR SYSTEMS GMBH [DE]
• [X] DE 19959468 A1 20010621 - DIETRICH FREDERIC [CH]
• [X] DE 2437799 A1 19760219 - SPITZER SILO FAHRZEUGWERK KG
• [X] DE 10121934 A1 20021107 - LINDE AG [DE]

Cited by
DE102014105044A1; WO2009047602A1; DE102013205895A1; DE102015108492A1; WO2018153515A1; WO2009040619A1; CN114669513A; US11224886B2; WO2014161718A1; DE102017103487A1; CN110325286A; US8951022B2; DE102007041551A1; DE202007018809U1; US8640644B2; DE102021117798A1; WO2023280939A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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