

Title (en)
POWDER PAINT RECLAIM TRANSPORT SYSTEM

Title (de)
TRANSPORTSYSTEM FÜR PULVERLACKRÜCKGEWINNUNG

Title (fr)
SYSTEME DE TRANSPORT DE RECUPERATION DE PEINTURE EN POUDRE

Publication
EP 1863592 A4 20100428 (EN)

Application
EP 06739978 A 20060329

Priority
• US 2006011533 W 20060329
• US 66598905 P 20050329

Abstract (en)
[origin: WO2006105235A1] A powder paint reclaim system (10) includes a plurality collectors (18) disposed beneath a paint booth for collecting powder paint not adhered to an article (12) being painted. Each of the collectors (18) has a fluidizer (34) for fluidizing the powder paint. A transporter (48) is connected to at least one of the collectors (18) for transporting powder paint from the collectors (18) to a powder paint reclaim hopper (54). At least a portion of each transporter (48) is disposed below the collector (18) and has fluidizer (34) for fluidizing the powder paint inside the transporter (48). Each transporter (48) is connected to at least one of the collectors (18) by a transfer line (36) transferring powder paint from the collector (18) to a portion of the transporter (48) disposed below the collector (18) enabling powder paint maintained in a fluidized state to gravitationally flow from the collector (18) to the transporter (48) and from the transporter (48) to the powder paint reclaim hopper (54) under positive pressure generated inside the transporter (48).

IPC 8 full level
B05B 15/12 (2006.01); **B05B 14/48** (2018.01); **B05C 5/00** (2006.01)

CPC (source: EP)
B05B 7/1404 (2013.01); **B05B 14/48** (2018.01)

Citation (search report)
• [A] DE 4134701 A1 19930422 - GEMA VOLSTATIC AG [CH]
• [IA] GB 2328387 A 19990224 - HONDA MOTOR CO LTD [JP]
• [IA] WO 8102117 A1 19810806 - ESB VOEHRINGER [DE]
• See references of WO 2006105235A1

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

DOCDB simple family (publication)
WO 2006105235 A1 20061005; AT E529194 T1 20111115; EP 1863592 A1 20071212; EP 1863592 A4 20100428; EP 1863592 B1 20111019

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