

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 A1 20071212 (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
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CPC (source: EP)
B05B 7/1404 (2013.01); **B05B 14/48** (2018.01)

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