

Title (en)

QUICK CHANGE POWDER COATING SPRAY SYSTEM

Title (de)

SCHNELLWECHSELSYSTEM FÜR EINE PULVER-SPRÜHBESCHICHTUNGSANLAGE

Title (fr)

SYSTEME D'ECHANGE RAPIDE POUR PROJECTION DE POUDRE EN COUCHE

Publication

**EP 1370368 A2 20031217 (EN)**

Application

**EP 01989296 A 20011109**

Priority

- US 0150921 W 20011109
- US 27714901 P 20010319
- US 89105701 A 20010625

Abstract (en)

[origin: WO02074442A2] Powder overspray that is extracted from a spray booth is recovered back to a powder supply that is used to supply powder to the spray guns inside the spray booth. The powder overspray extracted from the booth is separated from the high flow air stream by a separator such as a cyclone separator. The powder falls into a transfer pan and a vacuum is used to convey the powder from the transfer pan to a vacuum receiver. The powder is then discharged to the feed hopper in the feed center. The use of a vacuum to convey powder from the cyclone to the feed center in effect permits substantially all of the powder overspray to be recovered from the spray booth directly to the feed hopper with minimal dwell or residence time within the cyclone or vacuum receiver subsystems during a spraying operation. The receiver can be rotated for easy cleaning, and the vacuum line cleaned by one or more cleaning elements drawn through the vacuum line.

IPC 1-7

**B05B 15/12**; **B05B 7/14**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 02074442A2

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