

Title (en)
ENCLOSURE FOR POWDER COATING

Publication
EP 0160810 B1 19880420 (DE)

Application
EP 85102871 A 19850313

Priority
DE 3412275 A 19840402

Abstract (en)
[origin: ES8606031A1] A powder coating booth has a bottom surface on which powder is collected and from which the powder should be removed. Two scrapers are supported on a transport device which move them together. Each scraper is movable from its respective end of the booth toward a central collection region. Since the scrapers are moved simultaneously, one is moving toward the collection region while the other is moving away. As a scraper moves toward the central collection region, it scrapes powder from the surface and delivers it to the collection region. Each scraper swings into an operating, surface scraping position as it moves from its respective end of the booth toward the collection region, and swings into an upraised, non-scraping position, as each moves from the collection region back to the end region. A cable with scraper engaging flights on it is movable for engaging the scrapers and for moving and for swinging them. The scraper moving cable exits from the booth through a wall and a gas nozzle external to the wall blows powder off the cable and back into the booth.

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B08B 1/00; **B05B 15/00**

IPC 8 full level
B05B 12/16 (2018.01); **B05B 14/00** (2018.01); **B05B 14/41** (2018.01); **B05B 15/50** (2018.01); **B05B 16/00** (2018.01); **B05D 3/00** (2006.01); **B08B 1/00** (2006.01)

CPC (source: EP US)
B05B 14/41 (2018.02 - EP US); **B08B 1/00** (2013.01 - US); **B08B 1/165** (2024.01 - EP)

Citation (examination)
DE 2219040 A1 19731031 - OTTO MUELLER OHG MASCHINEN U T

Cited by
DE4413347A1; DE9203366U1; DE9203367U1; CN109909197A; EP0591573A1; FR2675061A1

Designated contracting state (EPC)
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EP 85102871 A 19850313; AT 85102871 T 19850313; DE 3412275 A 19840402; ES 541081 A 19850308; JP 3861285 A 19850226; US 71718785 A 19850329