

Title (en)
SPRAYBOOTH WITH AN EVAPORATION AND FORCED AIR CIRCULATION INSTALLATION

Publication
EP 0135200 A3 19850925 (DE)

Application
EP 84111210 A 19840920

Priority
DE 3334257 A 19830922

Abstract (en)
[origin: US4587927A] Apparatus for applying of coating material on target objects (11), consisting of at least one painting cabin (10). A conveyor is passing the objects (11) step wise through the cabin (10) and through an adjacent evaporation cabin (30). The painting cabin (10) is divided into two adjacent zones consecutive in the direction of the conveyor movement through which zones air currents (V4a, V4b) are passed one after the other. Air currents (V2, V5) being drawn from the zones are washed and cleaned in related color particle separator devices (12a, 12b) and heated with heaters (22,24) above the respective due points. The solvent loaded discharge air currents (V10, V11) are fed from the evaporation cabin (30) into a combustion plant. The air currents are adjusted in such manner that in the entrance area underpressure exists and a fresh air current (V1) is passing into the cabin (10). A security control and maintainance equipment is described.

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B05B 15/12

IPC 8 full level
B05C 15/00 (2006.01); **B05B 15/12** (2006.01); **B05B 16/20** (2018.01)

CPC (source: EP US)
B05B 16/20 (2018.01 - EP US)

Citation (search report)
• DE 2404404 A1 19750807 - DU PONT
• DE 2522440 A1 19761209 - FELDMUEHLE ANLAGEN PROD
• DE 3030045 A1 19810402 - DEERE & CO EUROP [US]
• DE 3043784 A1 19820701 - EISENMANN KG MASCHINENBAU GES [DE]

Cited by
EP0371171A1; EP2559494A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

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US 4587927 A 19860513; AT E35632 T1 19880715; CA 1217334 A 19870203; CS 713884 A2 19910813; DD 229613 A5 19851113; DE 3334257 C1 19850214; DE 3472633 D1 19880818; DK 448184 A 19850323; DK 448184 D0 19840920; EP 0135200 A2 19850327; EP 0135200 A3 19850925; EP 0135200 B1 19880713; ES 536083 A0 19850601; ES 8505267 A1 19850601; JP S6090068 A 19850521; ZA 847110 B 19850424

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US 65032884 A 19840912; AT 84111210 T 19840920; CA 462707 A 19840907; CS 713884 A 19840921; DD 26750184 A 19840921; DE 3334257 A 19830922; DE 3472633 T 19840920; DK 448184 A 19840920; EP 84111210 A 19840920; ES 536083 A 19840920; JP 19494084 A 19840919; ZA 847110 A 19840910