

Title (en)  
CABIN FOR SPRAY-COATING OBJECTS WITH POWDER

Publication  
**EP 0071756 B1 19860917 (DE)**

Application  
**EP 82105901 A 19820702**

Priority  
DE 3131565 A 19810810

Abstract (en)  
[origin: ES8305600A1] A spray-coating booth having on its side walls several air cleaners with easily interchanged and cleaned filter units that are relatively light in weight and can be carried by hand. In accordance with the design of the booth, the dimensions of the spray-coating area can be varied and the filter units can be interchanged with other types of units such as sprayers. Undesirable accumulation of powder is avoided because the air cleaners continuously precipitate powder filtered from the air. Powder transporting means within the booth, which may be inclined chutes with a fluidized bed, transport this excess powder from beneath the air cleaners at the side wall to the floor of the booth. The floor of the booth extends below the entire spray coating region and thereby also serves to collect excess spray powder which falls directly upon it. The powder is then returned for use to the spray-coating region.

IPC 1-7  
**B05B 15/12**

IPC 8 full level  
**B05B 14/41** (2018.01); **B05B 14/43** (2018.01); **B05B 15/12** (2006.01); **B05B 16/00** (2018.01); **B05B 16/25** (2018.01)

CPC (source: EP US)  
**B05B 14/41** (2018.01 - EP US); **B05B 14/412** (2018.01 - EP US); **B05B 14/43** (2018.01 - EP US); **B05B 16/25** (2018.01 - EP US); **B05B 16/90** (2018.01 - EP US); **Y10S 118/07** (2013.01 - EP US)

Cited by  
DE3905057A1; CN108187957A; RU2666854C2; RU2637324C2; GB2275004A; GB2275004B; EP4249130A1; DE102022108374A1; US10272462B2; WO9107234A1; WO2013131611A1; DE202024101688U1; DE102020113645A1; WO2021233984A1; DE102020134087A1; WO2022129165A1; EP2822701B1

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