

Title (en)  
Container for powder coating installation

Title (de)  
Vorratsbehälter für Pulverlackanlage

Title (fr)  
Réservoir pour installation de revêtement par poudre

Publication  
**EP 0897754 A3 20001025 (DE)**

Application  
**EP 98112620 A 19980708**

Priority  
DE 19736326 A 19970821

Abstract (en)  
[origin: DE19736326C1] A suction pipe is located in the upper area of the storage container. It comprises a venting conduit (5), the open end of which issues into a suction funnel (6) of a suction hood (7). The suction installation is formed as an air quantity amplifier. The surface ratio of the suction funnel at the level of the end of the venting conduit, less the cross-section surface of the venting conduit, to the cross-section surface of the venting conduit (5) at its end is in the range of 1.5-3. The air quantity amplifier is a so-called air mover, which works in accordance with the Coanda effect. As drive compressed air is used, fed into a ring chamber via a feed conduit (9).

IPC 1-7  
**B05B 7/14**

IPC 8 full level  
**B05B 7/14** (2006.01)

CPC (source: EP)  
**B05B 7/1404** (2013.01); **B05B 7/1472** (2013.01)

Citation (search report)  
• [A] US 5017324 A 19910521 - KAISER THOMAS A [US], et al  
• [A] GB 2118512 A 19831102 - ACE NYLON  
• [A] US 5015126 A 19910514 - KRAEMER ERICH [DE]  
• [A] US 3972523 A 19760803 - BRANDES HARRY

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**DE 19736326 C1 19980917**; EP 0897754 A2 19990224; EP 0897754 A3 20001025; EP 0897754 B1 20030917; ES 2206798 T3 20040516

DOCDB simple family (application)  
**DE 19736326 A 19970821**; EP 98112620 A 19980708; ES 98112620 T 19980708