

Title (en)  
Plastic bag for bulk material

Title (de)  
Mit einem Schüttgut befüllbarer Sack aus Kunststoffolie

Title (fr)  
Sac en plastique pour matériau en vrac

Publication  
**EP 1600399 A1 20051130 (DE)**

Application  
**EP 05008012 A 20050413**

Priority  
DE 102004026538 A 20040527

Abstract (en)  
The sack (1) has a multilayer overlap region with inner and outer plastic layers, at least one venting device (10) with at least one first venting opening (11) in the inner plastic layer of the overlap region (5) and at least one second venting opening (12) in the outer plastic layer of the overlap region, whereby the first and second venting openings are not aligned. When filled the sack can be stacked so that the first opening(s) is higher than the second opening(s), whereby a venting channel is formed between the openings in the overlap region.

Abstract (de)  
Mit einem Schüttgut befüllbarer Sack aus Kunststoffolie, der im befüllten Zustand so stapelbar ist, dass Entlüftungsöffnung(en) (11) in der inneren Kunststofflage (6) des Überlappungsbereiches (5) höhenversetzt zu weiteren Entlüftungsöffnung(en) (12) in der äußeren Kunststofflage (7) des Überlappungsbereichs (5) liegen (Fig. 1). <IMAGE>

IPC 1-7  
**B65D 77/22**

IPC 8 full level  
**B65D 33/01** (2006.01); **B65D 77/22** (2006.01)

CPC (source: EP)  
**B65D 33/01** (2013.01)

Citation (search report)  
• [XY] US 5553942 A 19960910 - DOMKE KLAUS [DE], et al  
• [Y] WO 03076302 A1 20030918 - MICVAC AB [SE], et al  
• [YD] DE 4303894 A1 19940818 - HAVER & BOECKER [DE]  
• [A] EP 0144011 A2 19850612 - RAACKMANN'S FAB AS [DK]  
• [A] EP 1422163 A1 20040526 - AMCOR FLEXIBLES EUROPE AS [DK]  
• [A] US 5399022 A 19950321 - SHEETS JAMES A [US]

Citation (third parties)  
Third party :  
• EP 0768245 A1 19970416 - ROVEMA GMBH [DE]  
• US 3309006 A 19670314 - PERRY RAY P, et al

Cited by  
DE102009057245A1; EP2332850A1; CN109996736A; NL2019299B1; NL2006791C2; DE202011106245U1; EP2619105A4; DE102006004291A1; EP2690030A3; EP2088088A1; US11401076B2; WO2007115538A1; WO2011051739A1; EP2332840A1; WO2007087965A1; DE102009057246A1; EP2690030A2; US10118736B2

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