

Title (en)
Gusseted bag

Title (de)
Seitenfaltenbeutel

Title (fr)
Sachet à soufflets

Publication
EP 1046590 A1 20001025 (EN)

Application
EP 99303064 A 19990420

Priority
EP 99303064 A 19990420

Abstract (en)

A method of forming a gusseted bag, in which a flattened tube with opposed side gussets is formed and the bottom of the tube is closed such that it will create four interior recesses between the closed bottom and trapped folded regions of said side gussets. An adhesive is selectively provided at appropriate parts (56,58,60,62) of the bag material prior to the formation of the flattened gusseted tube such that during or after the gusseting step, the surfaces defining at least parts of the four interior recesses of the bag become secured together so as effectively to close these recesses and prevent significant ingress of bag contents thereto. <IMAGE> <IMAGE>

The method involves folding the paper sheet containing the paper blank and applying paper glue at appropriate parts of the paper to form a partial tube. The partial tube is then passed between groups of creasing wheels which form the side gussets (14a,b). Each gusset forms two rough folds (22a-22d) and are secured by paper glue to the base part (28) of the bag so as to avoid the formation of internal recesses.

IPC 1-7
B65D 30/20

IPC 8 full level
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CPC (source: EP)
B65D 31/10 (2013.01)

Citation (applicant)
"Paper Sacks: A Users Guide", June 1995, ETAPS, EDINBURGH, GB

Citation (search report)
• [X] US 4526565 A 19850702 - HUMMEL JOHN E [US], et al
• [X] US 4691374 A 19870901 - WATKINS JAMES D [US], et al

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EP3670376A1; ITUD20100039A1; PL127252U1; WO2012103560A1

Designated contracting state (EPC)
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