

Title (en)  
BAG, METHOD AND ARRANGEMENT FOR PRODUCING A BAG

Title (de)  
BEUTEL, VERFAHREN UND ANLAGE ZUR BEUTELHERSTELLUNG

Title (fr)  
SAC, PROCEDE ET MACHINE POUR LA FABRICATION D'UN SAC

Publication  
**EP 3556679 A1 20191023 (EN)**

Application  
**EP 18168048 A 20180418**

Priority  
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Abstract (en)  
A paper bag (1) for receiving and containing goods. The bag (1) comprises a first wall panel (10) having two longitudinal side edges (11, 12) and a second wall panel (20) having two longitudinal side edges (21, 22). A gusset section (31, 33) connects each longitudinal side edge of the first and second panels. The first (10) and second wall panels (20) exhibit respective, mutually aligned first cuts (51, 52) which are arranged in proximity to a first longitudinal end of the first and second wall panels and configured to form a cut-out handle. At least one reinforcement patch (60) is arranged between the first (10) and second (20) panels, overlapping said first cuts (51, 52) and adhered to the first and second panels. A method and a bag converting arrangement for producing a bag (10) is also provided.

IPC 8 full level  
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Citation (applicant)  
• US 8961012 B2 20150224 - MARTIN MICHAEL REID [CA], et al  
• WO 2017151756 A1 20170908 - COATING EXCELLENCE INT LLC [US]

Citation (search report)  
• [Y] DE 202014011111 U1 20171129 - PAPIER-METTLER KG [DE]  
• [Y] DE 202012006901 U1 20120810 - PAPIER METTLER INHABER MICHAEL METTLER E K [DE]  
• [Y] US 2015251815 A1 20150910 - BERGER ELLIOT LEWIS [US]  
• [Y] GB 1005121 A 19650922 - PAPER SACKS LTD  
• [Y] US 6056681 A 20000502 - ROSS PHILIP E [US]

Cited by  
US11352171B2; EP4057878A4; JP2023106217A; WO2022112431A1; WO2023169873A1; WO2022112428A1

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