

Title (en)
Insulated bag.

Title (de)
Isolierbeutel.

Title (fr)
Sac isotherme.

Publication
EP 0301148 A1 19890201 (FR)

Application
EP 87440055 A 19870917

Priority
FR 8711085 A 19870731

Abstract (en)
Insulated bag of the type with a double wall, consisting of a pair of polyethylene sheets (1, 2) held apart by a material (3) ensuring the presence of a layer of air, characterised in that the said material is of the type formed by a thin and flexible film which carries, on one face, bubbles or blisters of constant thickness and which are uniformly distributed over this face. <IMAGE>

Abstract (fr)
Sac isotherme, du type à double paroi constitué par un couple de feuilles de polyéthylène (1,2) maintenues écartées par un matériau (3) assurant la présence d'une couche d'air, caractérisé en ce que ledit matériau est du type formé par une pellicule mince et souple portant sur une face des bulles ou boursouflures d'épaisseur constante et régulièrement réparties sur cette face.

IPC 1-7
B65D 81/38

IPC 8 full level
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CPC (source: EP)
B65D 81/3893 (2013.01)

Citation (search report)
• [X] EP 0174159 A2 19860312 - GATWARD DOUGLAS KITCHENER
• [X] EP 0085534 A1 19830810 - BRITISH PETROLEUM CO PLC [GB]
• [E] EP 0251757 A2 19880107 - NOMIX MFG CO LTD [GB]
• [Y] FR 2394390 A1 19790112 - PECKRE FRERES ET TURPIN ETS [FR], et al

Cited by
US5595320A; FR2845352A1; US6200029B1; US5706969A; EP0710608A1; US5624048A; AU694152B2; WO2004033338A1; WO2006095038A3

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