

Title (en)
Handle structure and blank

Title (de)
Verstärktem Handgriff und Zuschnitt

Title (fr)
Poignée renforcée et flan

Publication
EP 1518792 A1 20050330 (EN)

Application
EP 04020606 A 20000615

Priority
• EP 00941454 A 20000615
• US 33650299 A 19990618
• US 38242899 A 19990824
• US 56823100 A 20000505

Abstract (en)
A handle structure for a carton having a handle panel and a strap member integrally conjoined with the handle panel and having opposing strap edges substantially disjoined from the handle panel, said strap member including a substantially centrally disposed region wherein opposing central strap edge segments of said opposing strap edges are substantially parallel characterised in that there further comprises a severance line segment disposed proximate each of the corners of the handle panel extending from a first end point proximate an associated one of said corners to a second end point proximate said centrally disposed region of said strap member such that when a force that is substantially normal to a plane in which said handle panels lies is exerted upon said centrally disposed region, said strap member is flexed substantially outwardly of said plane from a biased position proximate said plane. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
US 5873515 A 19990223 - DUNN JACKIE WAYNE [US], et al

Citation (search report)
• [X] US 5873515 A 19990223 - DUNN JACKIE WAYNE [US], et al
• [X] US 5333734 A 19940802 - STOUT JAMES T [US], et al
• [X] US 5385234 A 19950131 - STOUT JAMES T [US], et al
• [X] EP 0816238 A1 19980107 - MEAD CORP [US]
• [X] US 5480091 A 19960102 - STOUT JAMES T [US]
• [XP] WO 0032481 A2 20000608 - MEAD CORP [US], et al

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US 0016505 W 20000615; AT 00941454 T 20000615; AU 2004201695 A 20040415; AU 5616000 A 20000615; BG 10533301 A 20010312; BR 0006840 A 20000615; CA 2340756 A 20000615; CN 00801725 A 20000615; CZ 2001611 A 20000615; DE 60016145 T 20000615; EE P200100098 A 20000615; EP 00941454 A 20000615; EP 04020606 A 20000615; ES 00941454 T 20000615; HU P0103399 A 20000615; ID 20010659 A 20000615; IL 14145000 A 20000615; JP 2001504797 A 20000615; NO 20010796 A 20010216; NZ 51008500 A 20000615; PL 34622500 A 20000615; PT 00941454 T 20000615; SK 2392001 A 20000615; TW 89111916 A 20000617