

Title (en)
LIGHTWEIGHT CONTAINER

Publication
EP 0048890 B1 19841212 (EN)

Application
EP 81107280 A 19810915

Priority
• US 19122580 A 19800926
• US 19122680 A 19800926

Abstract (en)
[origin: EP0048890A1] A novel pressure holding container (1) formed of thin sheet metal of the order of between 10 and 4 mils wherein the container has a bottom portion (2) and a top portion (3), the bottom portion having a body and an integral bottom, and in one embodiment having a necked-in upper end of the body which tightly fits into a lip portion (14) of the lower end of the top portion and is adhesively bonded thereto and wherein the upper portion (16) of the top portion has a toroconical shape which under pressure wants to expand it into a spherical shape and thus through beam loading on the lip portion imposes compressive stresses thereon and holds in compression the adhesive (32) which is interposed between the lip and the annulus of the necked, in portion of the body which is loaded in tension by the internal pressure in the container.

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B65D 8/22

IPC 8 full level
B21D 51/26 (2006.01); **B65D 8/04** (2006.01); **B65D 8/22** (2006.01); **B65D 39/16** (2006.01); **B65D 47/14** (2006.01)

CPC (source: EP)
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Cited by
EP0109986A1; DE3925069A1; DE3925068A1; EP0412272A1; EP1852647A1

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DOCDB simple family (publication)
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