

Title (en)
Flexible intermediate bulk containers.

Title (de)
Flexible Behälter für Schüttgüter.

Title (fr)
Conteneurs souples pour matières en vrac.

Publication
EP 0366375 A1 19900502 (EN)

Application
EP 89310839 A 19891020

Priority
GB 8824693 A 19881021

Abstract (en)
A flexible intermediate bulk container includes at intervals in the yarns which lie horizontally in the wall of the container when the container is in use a yarn which is capable of bearing a load at least 50% greater than, and preferably at least twice, the load at which the other horizontal yarns in the wall of the container will break. The yarn of greater strength, which is advantageously a yarn of higher modulus, absorbs shock tensile loads when a loaded container is dropped and constitutes a region of greater strength which provides a cushioning effect for the other yarns against the resultant sudden surge in loop stress, thereby greatly increasing the burst-resistance of the container. In a preferred container having a single wall part (21) of polypropylene yarns woven on a circular loom, a single weft yarn of 2400 denier polypropylene is replaced by a 6000 denier polyester yarn to provide a series of tensile stress absorbing regions (6) at intervals in each vertical section of the wall part (21) of the container.

IPC 1-7
B65D 88/16

IPC 8 full level
B65D 88/16 (2006.01)

CPC (source: EP)
B65D 88/1612 (2013.01)

Citation (search report)

- [X] FR 743414 A 19330329
- [YD] GB 1591091 A 19810617 - MILLER WEBLIFT LTD
- [Y] DE 1535634 A1 19700514 - SANDERS & SOEHNE J B
- [A] FR 1443272 A 19660624 - SAINT FRERES
- [A] GB 2022054 A 19791212 - NORSK HYDRO AS

Cited by
FR2708250A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0366375 A1 19900502; GB 2224006 A 19900425; GB 8824693 D0 19881130; GB 8923675 D0 19891206

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