

Title (en)  
FILLER ELEMENT FOR A TANK AND METHOD OF MANUFACTURE

Title (de)  
FÜLLELEMENT FÜR EIN RESERVOIR UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
ELEMENT DE REMPLISSAGE POUR RESERVOIR ET SON PROCEDE DE FABRICATION

Publication  
**EP 1218171 A4 20030122 (EN)**

Application  
**EP 00937738 A 20000524**

Priority

- US 0014323 W 20000524
- US 31827799 A 19990525
- US 38284999 A 19990825

Abstract (en)

[origin: WO0071798A1] The filler elements (14) for a tank (12) of combustible fluid are formed from a sheet of foil mesh material by a multiple fold technique. The folding process places the free edges of the sheet in the center of the filler element where they are protected and where any piece that breaks off will be trapped. The sides are first folded inwardly and then the ends are folded inwardly. Finally, this intermediate folded member is rolled, formed, molded or folded further into the final desired shape for the filler element. Folding is facilitated by use of a crushed crease along desired fold lines. To reduce nesting of the mesh, various sections of the mesh corresponding to the fold lines present openings of differing sizes. Various filler elements not formed from a sheet may also have any free extremities or edges thereof coated to control "flaking". If desired, the formed filler elements may also be coated exteriorly with the thermally conductive, hydrocarbon compatible sealant.

IPC 1-7  
**A62C 3/06**

IPC 8 full level  
**A62C 3/06** (2006.01); **B60K 15/03** (2006.01); **B64D 37/32** (2006.01); **B65D 90/22** (2006.01); **F17C 13/12** (2006.01)

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Citation (search report)

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