

Title (en)  
TANK WITH IN-LINE ARRANGEMENT

Publication  
**EP 0499918 A3 19930120 (DE)**

Application  
**EP 92102142 A 19920208**

Priority  
DE 4104978 A 19910219

Abstract (en)  
[origin: EP0499918A2] In a tank with an inner liner, even materials which are difficult to store and are to be protected against air and other substances can be safely stored if the inner liner is fastened to the rising pipe in such a way as to sheath the latter. This enables the material to be effectively stored against the subsequent flow of air, the through-flow bore being placed and arranged in such a way that the air passing the through-flow bore flows in between the inner liner and the inner wall and thus without being able to reach the material which has lasted in the inner liner.  
<IMAGE>

IPC 1-7  
**E21D 11/00**; **E21D 11/38**; **E21D 5/00**; **B65D 90/00**

IPC 8 full level  
**B67D 99/00** (2010.01); **B65D 77/06** (2006.01)

CPC (source: EP)  
**B65D 77/065** (2013.01); **B65D 2231/004** (2013.01)

Citation (search report)  
• [X] FR 2138685 A1 19730105 - WEGHSTEEN PIERRE  
• [X] GB 1032825 A 19660615 - JOHN SIDNEY GOOCH, et al

Cited by  
CN102080553A; US7065940B2; US6536484B2; US6598631B2; US6761318B2; WO0181176A1; US6615880B2; US7066215B1

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

DOCDB simple family (publication)  
**EP 0499918 A2 19920826**; **EP 0499918 A3 19930120**; AU 1067192 A 19920827; AU 644938 B2 19931223; CS 17292 A3 19920916; DE 4104978 A1 19920820; HU 9200521 D0 19920528; HU T60205 A 19920828; NO 920269 D0 19920121; PL 293442 A1 19921019; RU 2020129 C1 19940930; ZA 92372 B 19921028

DOCDB simple family (application)  
**EP 92102142 A 19920208**; AU 1067192 A 19920205; CS 17292 A 19920121; DE 4104978 A 19910219; HU 9200521 A 19920218; NO 920269 A 19920121; PL 29344292 A 19920212; SU 5010849 A 19920128; ZA 92372 A 19920120