

Title (en)
Combined vacuum and holding tank

Title (de)
Kombinierter Vakuum- und Lagerbehälter

Title (fr)
Réservoir d'accumulation et réservoir à vide combiné

Publication
EP 0861947 B1 20030507 (EN)

Application
EP 97103102 A 19970226

Priority
EP 97103102 A 19970226

Abstract (en)
[origin: EP0861947A1] A vacuum sewage handling assembly particularly for boats and recreational vehicles or caravans has a minimum of components because the conventional vacuum and holding tanks have been combined into a single substantially unreinforced, non-cylindrical, all plastic tank (25). The tank (25) has a contoured, convoluted, discontinuous surface (e. g. formed by grooves, channels, and other discontinuities 37, 44, 137, 87) so that it has no continuous flat surface area of more than about 200 square centimeters The combined vacuum and holding tank may mount a vacuum pump (53, 153), and optionally mounts a sewage discharge pump (59). The tank preferably has a generally parallelepiped configuration, and an interior volume of between about 45-65 liters, has a maximum vacuum level of about 26 cm of mercury, and is connected to other conventional portions (10, 11) of a vehicle toilet system, including outlets (19, 22) penetrating the exterior (18) of the vehicle. <IMAGE>

IPC 1-7
E03F 1/00; **E03D 5/00**

IPC 8 full level
E03D 5/00 (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP)
E03D 5/00 (2013.01); **E03F 1/006** (2013.01)

Cited by
EP1898010A3; EP1898010A2; US8984675B2

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

DOCDB simple family (publication)
EP 0861947 A1 19980902; **EP 0861947 B1 20030507**; AT E239835 T1 20030515; DE 69721722 D1 20030612; DE 69721722 T2 20040311

DOCDB simple family (application)
EP 97103102 A 19970226; AT 97103102 T 19970226; DE 69721722 T 19970226