

Title (en)

Vacuum apparatus having a pump for discharging liquid therefrom

Title (de)

Sauggerät mit Pumpe zum Entfernen von Flüssigkeit

Title (fr)

Aspirateur comportant une pompe de vidange de liquides

Publication

EP 0894467 A1 19990203 (EN)

Application

EP 97401845 A 19970731

Priority

EP 97401845 A 19970731

Abstract (en)

A vacuum apparatus includes a holding tank (12), a vacuum source, and a docking station (42). The tank holds material and has an interior and an exterior. The vacuum source draws the material from the exterior into the interior of the tank. The docking station (42) docks a pump (26) on the exterior of the tank so that, when the pump is docked in the docking station, the pump may be used to pump material out of the tank and so that the pump may be detached from the docking station for stand alone use.

IPC 1-7

A47L 7/00

IPC 8 full level

A47L 7/00 (2006.01)

CPC (source: EP)

A47L 7/0038 (2013.01); **A47L 7/0042** (2013.01)

Citation (search report)

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- [X] DE 8805369 U1 19881201
- [A] US 4378611 A 19830405 - NINEHOUSER JAMES [US]
- [A] US 5465455 A 19951114 - ALLEN HAROLD [US]

Cited by

EP1466551A3; US10869586B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0894467 A1 19990203; **EP 0894467 B1 20031210**; DE 69726717 D1 20040122; DE 69726717 T2 20041028

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