

Title (en)  
Arrangement for pumping liquids

Title (de)  
Anordnung zum Absaugen von Flüssigkeit

Title (fr)  
Arrangement pour pomper des liquides

Publication  
**EP 0829584 A3 19981118 (DE)**

Application  
**EP 97115585 A 19970909**

Priority  
DE 29616003 U 19960913

Abstract (en)  
[origin: US6119283A] A method and apparatus for evacuation of liquids, such as wastewater from e.g. wash basins, urinals, bath tubs or showers, whereby the liquid is collected in a sump, generates a hydrostatic pressure and is evacuated from the sump through a vacuum pipeline after a predetermined hydrostatic pressure is generated. In order to avoid flexible control conduits and to achieve time controlled evacuation with a simple mechanism, valves are integrated in a housing and operated by pressure differences acting on diaphragms after a certain hydrostatic pressure has been generated. One of the valves opens a connection between the sump and the vacuum pipeline to evacuate the liquid.

IPC 1-7  
**E03F 1/00**

IPC 8 full level  
**B61D 35/00** (2006.01); **B63B 29/14** (2006.01); **E03C 1/12** (2006.01); **E03C 1/28** (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP US)  
**B61D 35/007** (2013.01 - EP US); **B63B 29/14** (2013.01 - EP US); **E03C 1/12** (2013.01 - EP US); **E03C 1/28** (2013.01 - EP US); **E03F 1/006** (2013.01 - EP US); **Y10S 137/907** (2013.01 - EP US); **Y10T 137/7762** (2015.04 - EP US)

Citation (search report)  
• [A] EP 0649946 A2 19950426 - ROEDIGER ANLAGENBAU [DE]  
• [A] US 3896839 A 19750729 - AUSTIN JR GEORGE K

Cited by  
DE102007034499A1; EP1035261A3; WO2009013003A2; WO0153618A3

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

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