

Title (en)  
SLUDGE EXTRACTOR

Title (de)  
SCHLAMMSAUGER

Title (fr)  
SUCEUR DE VASE

Publication  
**EP 1430223 A2 20040623 (DE)**

Application  
**EP 02779128 A 20020925**

Priority  
• DE 0203643 W 20020925  
• DE 10147018 A 20010925

Abstract (en)  
[origin: WO03031814A2] The invention concerns a sludge extractor comprising a receptacle whereon are provided a suction connection designed for a suction member for extracting a sludge-containing fluid and a flow connection designed for a flow member for evacuating said sludge-containing fluid, and a motor for driving a suction device such that, in the receptacle, is generated a vacuum which maintains a suction relief valve of the flow member closed. Said sludge extractor is characterized in that the depression acting on the suction relief valve is lower than the pressure which the sludge-containing fluid exerts thereon when it has reached, in the receptacle, a predetermined filling level.

IPC 1-7  
**F04B 1/00**

IPC 8 full level  
**F04D 13/14** (2006.01); **F04D 31/00** (2006.01)

CPC (source: EP US)  
**F04D 13/14** (2013.01 - EP US); **F04D 31/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 03031814A2

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

DOCDB simple family (publication)  
**WO 03031814 A2 20030417; WO 03031814 A3 20030814**; DE 10147018 A1 20030424; EP 1430223 A2 20040623;  
US 2005000892 A1 20050106; US 7273544 B2 20070925

DOCDB simple family (application)  
**DE 0203643 W 20020925**; DE 10147018 A 20010925; EP 02779128 A 20020925; US 49078104 A 20040907