

Title (en)  
LEACHATE AND DEPOLLUTION PNEUMATIC PUMP WITH SLEEVE VALVE

Title (de)  
ABWASSERPUMPE MIT PNEUMATISCH BETRIEBENEM QUETSCHVENTIL

Title (fr)  
POMPE A LIXIVIAT ET DE DEPOLLUTION, PNEUMATIQUE, A VANNE A MANCHON

Publication  
**EP 1137885 A1 20011004 (FR)**

Application  
**EP 99958249 A 19991206**

Priority  
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• FR 9815389 A 19981207

Abstract (en)  
[origin: US6602055B1] A pneumatic pumping device for pumping liquids such as landfill leachates and polluted liquids or thick matter includes a tubular body (1) forming a pump body and defining a cylindrical main chamber (2) in the upstream and downstream ends of which respectively emerge an inlet (3) and outlet (4) for the liquid to be pumped. The pneumatic device further includes a sleeve valve (7) arranged in front of the inlet to control the passage of the liquid to be pumped through the orifice, elements (8) for controlling the opening and closure of the sleeve valve with a compressed gas, a delivery pipe (9) passing through the outlet and extending inside the tubular body over the major part of the length thereof, and elements for supplying the main chamber with compressed gas.

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IPC 8 full level  
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**US 6602055 B1 20030805**; AT E233371 T1 20030315; AU 1566100 A 20000626; AU 763985 B2 20030807; CA 2362710 A1 20000615; CA 2362710 C 20080610; DE 69905607 D1 20030403; DE 69905607 T2 20031218; EP 1137885 A1 20011004; EP 1137885 B1 20030226; ES 2193766 T3 20031101; FR 2786822 A1 20000609; FR 2786822 B1 20010119; WO 0034657 A1 20000615; ZA 200104627 B 20020906

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