

Title (en)

PISTON PUMP FOR MULTIPHASE FLUIDS AND APPLICATIONS THEREOF.

Title (de)

KOLBENPUMPVORRICHTUNG FÜR EIN MEHRPHASIGES FLUID UND ANWENDUNG DIESER VORRICHTUNG.

Title (fr)

DISPOSITIF DE POMPAGE D'UN FLUIDE POLYPHASIQUE A PISTON ET APPLICATIONS DE CE DISPOSITIF.

Publication

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Application

EP 89905416 A 19890426

Priority

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- FR 8900198 W 19890426

Abstract (en)

[origin: FR2630785A1] A device for pumping a multiphase fluid comprises in combination an intake pipe (13) for the fluid to be pumped and a delivery pipe (19) for the pumped fluid, at least one variable volume chamber (2) suitable for pumping said fluid, said chamber being defined by a first cylinder head (3), a first cylinder (4) and a first piston (5), said piston sliding along the axis of the cylinder (4) in the latter, and at least a first drive element (6) capable of displacing said piston in said cylinder. The device also comprises a housing (23) enclosing at least the space swept by the piston (5), said space being opposed with respect to said piston to said first chamber, said housing also containing a gaseous fluid. Also disclosed is a piston (5) comprising a recess (20) for accommodating a projection (10) integral with the cylinder head (3), these two elements producing a set of fluid directed to an outlet orifice (15).

IPC 1-7

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CPC (source: EP)

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