

Title (en)  
INSTALLATION FOR PUMPING A TWO-PHASE LIQUID/GAS EFFLUENT

Title (de)  
PUMPANLAGE FÜR EINEN ZWEIPHASIGEN FLÜSSIGKEITS-/GASAUSSFLUSS

Title (fr)  
INSTALLATION DE POMPAGE D'UN EFFLUENT BIPHASIQUE LIQUIDE/GAZ

Publication  
**EP 0892886 A1 19990127 (FR)**

Application  
**EP 98904241 A 19980128**

Priority  
• FR 9800157 W 19980128  
• FR 9701113 A 19970131

Abstract (en)  
[origin: US6250384B1] The invention concerns a pumping installation designed for being mounted in an oil well extending from the surface to a layer of oil-bearing rock, comprising a pipe column at the lower end of which is mounted a pump, a joint, mounted in the well around the pipe column and delimiting a chamber at the lower end of the well, in which is arranged a pump. The installation further comprises a hydro-ejector, in the pipe column, including a lower pressure zone opening into the upper end of the chamber.

IPC 1-7  
**E21B 43/12**

IPC 8 full level  
**F04D 13/10** (2006.01); **E21B 43/00** (2006.01); **E21B 43/12** (2006.01); **F04D 13/12** (2006.01)

CPC (source: EP US)  
**E21B 43/128** (2013.01 - EP US)

Citation (search report)  
See references of WO 9834009A1

Designated contracting state (EPC)  
AT DE FR GB IT NL

DOCDB simple family (publication)  
**US 6250384 B1 20010626**; AT E221613 T1 20020815; BR 9805955 A 19990831; CA 2251611 A1 19980806; CA 2251611 C 20050913; DE 69806865 D1 20020905; DE 69806865 T2 20030313; EP 0892886 A1 19990127; EP 0892886 B1 20020731; FR 2759113 A1 19980807; FR 2759113 B1 19990319; NO 315288 B1 20030811; NO 984544 D0 19980929; NO 984544 L 19980929; OA 10890 A 20030218; RU 2201535 C2 20030327; WO 9834009 A1 19980806

DOCDB simple family (application)  
**US 14216799 A 19990611**; AT 98904241 T 19980128; BR 9805955 A 19980128; CA 2251611 A 19980128; DE 69806865 T 19980128; EP 98904241 A 19980128; FR 9701113 A 19970131; FR 9800157 W 19980128; NO 984544 A 19980929; OA 9800185 A 19980930; RU 98119718 A 19980128