

Title (en)

APPARATUS AND METHOD FOR CLEANING FILTERING GRAVEL PACKS IN WATER WELLS

Publication

EP 0431507 A3 19920603 (DE)

Application

EP 90123067 A 19901202

Priority

DE 3940107 A 19891205

Abstract (en)

[origin: EP0431507A2] The apparatus has at least two pumps (9, 10) which are arranged above one another in the well filter (21), interconnected and can be shut off from one another by an intermediate piece (12) with armature (11), and which in each case are accommodated in a housing consisting of a closed extension piece (1, 2; 26, 6) and a perforated suction piece (3, 4), the suction pieces (3, 4) being sealed in relation to the well filter (21) and connected to injection pipes (13, 25). An extension piece (1, 2) is surrounded by a long sleeve (28) which is fastened to it and can be pressed against the well filter (21) and which seals the well filter (21) on the inside. During operation of the lower pump (10) and with the upper pump (9) at a standstill, compressed air, aggressive or inert gas together with water is injected into a section of the filter gravel pack. Subsequently, with switching in of the upper pump (9), a rinsing and desanding phase takes place. <IMAGE>

IPC 1-7

E21B 37/08; **E21B 33/124**; **E03B 3/15**

IPC 8 full level

E21B 33/124 (2006.01); **E21B 37/08** (2006.01)

CPC (source: EP)

E21B 33/124 (2013.01); **E21B 37/08** (2013.01)

Citation (search report)

- [A] DE 8801702 U1 19880414
- [A] US 4030545 A 19770621 - NEBOLSINE ROSTISLAV
- [A] DE 2631513 A1 19780112 - CHARLOTTENBURGER MOTOREN

Cited by

EP0548768A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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EP 0431507 A2 19910612; **EP 0431507 A3 19920603**; **EP 0431507 B1 19950405**; AT E120830 T1 19950415; DE 3940107 A1 19910606; DE 3940107 C2 19990318

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