

Title (en)

Method and apparatus for maintaining the performance of new water wells and for cleaning and regeneration of existing water wells by means of ultrasound

Title (de)

Verfahren und Vorrichtung zur Erhaltung der Leistungsfähigkeit neuer Brunnen sowie zur Reinigung und Regenerierung bestehender Brunnen mittels Ultraschall

Title (fr)

Procédé et dispositif pour la maintenance de la performance d'un puits à eau ainsi que pour le nettoyage et la régénération de puits existants par moyen d'ultrason

Publication

EP 0778393 B1 20020925 (DE)

Application

EP 96250281 A 19961205

Priority

DE 19547264 A 19951207

Abstract (en)

[origin: EP0778393A2] This novel procedure maintains the output of new wells, or cleans and regenerates existing ones. The filter is subjected to ultrasound radiated from a transducer. The water, now full of detached particles, is drawn out. The filter and the gravel section connected to it, are treated to achieve a degree of cleaning, which is measured from the water extracted. The filter assembly is cleaned section by section with the transducer stationary, in the absence of mechanical or hydromechanical effects. Also claimed is a device to carry out the process. This includes two height-adjustable packing units containing transducer and extraction pump (7) which are moved in the well. The pump is in the upper pack (5), connected by a line (8) to the instrument (9) making the measurements.

IPC 1-7

E21B 37/08

IPC 8 full level

E21B 37/08 (2006.01); **E21B 43/00** (2006.01)

CPC (source: EP)

E21B 37/08 (2013.01); **E21B 43/003** (2013.01)

Cited by

WO2022058547A1; EP2541235A3; EP2778297A1; EP3971386A1; WO2005039788A1; WO2005007310A1; WO2006010997A1; EP3971386B1

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