

Title (en)

DEVICE FOR RECOVERING HEAT FROM UNDERGROUND WATER AND/OR FROM THE SOIL ADJOINING THE UNDERGROUND WATER.

Title (de)

VORRICHTUNG ZUR ENTNAHME VON BODENWÄRME AUS DEM GRUNDWASSER UND/ODER DEM DAS GRUNDWASSER UMGEBENDEN ERDREICH.

Title (fr)

DISPOSITIF POUR RECUPERER LA CHALEUR DES EAUX SOUTERRAINES ET/OU DE LA TERRE ATTENANTE AUX EAUX SOUTERRAINES.

Publication

EP 0056806 A1 19820804 (FR)

Application

EP 81901143 A 19810418

Priority

- DE 3015172 A 19800419
- DE 3047397 A 19801216

Abstract (en)

[origin: WO8103061A1] The recovery is carried out by means of a sounding rod composed of concentric tubes. The rod is formed of a smooth inner tube (8) freely opening into a corrugated wall tube (10) which is closed at its lower end.

Abstract (fr)

La recuperation s'effectue au moyen d'une sonde composee de tuyaux concentriques. Elle est constituee d'un tuyau interieur lisse (8) qui debouche librement dans un tuyau (10) a paroi ondulee et fermee a son extremite inferieure.

IPC 1-7

F24J 3/02; **E21B 36/00**; **E21B 17/18**

IPC 8 full level

E21B 17/18 (2006.01); **E21B 36/00** (2006.01); **F24J 3/08** (2006.01)

IPC 8 main group level

F24J (2006.01)

CPC (source: EP US)

E21B 17/18 (2013.01 - EP US); **F24T 10/17** (2018.04 - EP); **F24T 10/30** (2018.04 - EP US); **F28F 1/08** (2013.01 - EP); **Y02B 30/52** (2013.01 - EP); **Y02E 10/10** (2013.01 - EP)

Designated contracting state (EPC)

FR

DOCDB simple family (publication)

WO 8103061 A1 19811029; AT 380099 B 19860410; AT A902881 A 19850815; AU 7152981 A 19811110; BR 8108443 A 19820309; CH 655380 A5 19860415; DK 450981 A 19811029; EP 0056806 A1 19820804; FI 813491 L 19811105; GB 2086564 A 19820512; GB 2086564 B 19840502; JP S57500570 A 19820401; NL 8120120 A 19820802

DOCDB simple family (application)

DE 8100060 W 19810418; AT 902881 A 19810418; AU 7152981 A 19810418; BR 8108443 A 19810418; CH 817981 A 19810418; DK 450981 A 19811012; EP 81901143 A 19810418; FI 813491 A 19811105; GB 8137568 A 19810418; JP 50134881 A 19810418; NL 8120120 A 19810418