

Title (en)

GEOHERMAL PROBE WITH MIXING ELEMENTS

Title (de)

SPEICHERSONDE MIT VERMISCHUNGSKÖRPERN

Title (fr)

PUITS GÉOTHERMIQUE ÉQUIPÉ D'ÉLÉMENTS MÉLANGEURS

Publication

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Application

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Abstract (en)

[origin: CA2919746A1] The invention relates to a geothermal probe (10) for exchanging heat between ground surrounding the geothermal probe (10), in which the geothermal probe (10) is arranged in the operating state, and a heat transfer fluid. The geothermal probe (10) comprises an inflow pipe (12) with an inflow pipe inner surface (16) and an outflow pipe (18), arranged therein, with an outflow pipe outer surface (19), characterized in that between the inflow pipe inner surface (16) and the outflow pipe outer surface (19) there is formed an annular space (15) that is entered by the heat transfer fluid in laminar flow. At least two mixing elements (20) are arranged at a distance from one another in the annular space (15). The mixing elements (20) bring about a repeated alternation between laminar flow of the heat transfer fluid and mixing.

IPC 8 full level

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