

Rock mass freezing system

Description of the solution:

The object of the invention relates in particular to the installation of a brine circulation in a rock mass freezing process using a freezing station containing multiple freezing modules.

Benefits of the solution:

- Elimination of disadvantages from known state of the art solutions. Rock mass freezing facilities typically require the use of multiple huge, high-power freezing units to cool the brine used to freeze the rock mass and to maintain the low temperature of the cooled rock during shaft excavation to support the thickness of the freezing jacket.

Area of application:

Mining (freezing of the rock mass).

Intellectual property:

Invention: P.436460

Owner:

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