

Title (en)

Method and system for freezing a portion of ground

Title (de)

Verfahren und System zum Einfrieren einer Bodenportion

Title (fr)

Procédé et système de congélation d'une partie de sol

Publication

**EP 2690222 A1 20140129 (EN)**

Application

**EP 13177293 A 20130719**

Priority

IT MI20121284 A 20120724

Abstract (en)

A system for freezing a portion of ground comprises at least one probe having at least one end insertable in the ground to be frozen and having at least one lateral wall, and means for supplying a cryogenic liquefied gas connected to the probe so as to supply the cryogenic liquefied gas to the same probe, said supply means comprising a device for dispensing said cryogenic liquefied gas placed on the inside of the probe, the dispensing device being spaced from said end insertable in the ground in such a manner as to spray said gas directly onto said lateral wall of said probe.

IPC 8 full level

**E02D 3/115** (2006.01); **E02D 19/14** (2006.01)

CPC (source: EP)

**E02D 3/115** (2013.01); **E02D 19/14** (2013.01)

Citation (search report)

- [X] US 3943722 A 19760316 - ROSS JOHN WILLIAM
- [A] JP S61134417 A 19860621 - SHOWA ALUMINUM CORP

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 2690222 A1 20140129; EP 2690222 B1 20170830; EP 2690222 B2 20201230**; ES 2643515 T3 20171123; IT MI20121284 A1 20140125

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