

Title (en)

HIGH-PRESSURE FLUID STORAGE SYSTEM AND CONSTRUCTION METHOD THEREFOR

Title (de)

HOCHDRUCKFLÜSSIGKEITSSPEICHERSYSTEM UND KONSTRUKTIONSVERFAHREN DAFÜR

Title (fr)

SYSTÈME DE STOCKAGE DE FLUIDE À HAUTE PRESSION ET PROCÉDÉ DE CONSTRUCTION ASSOCIÉ

Publication

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Application

EP 14865690 A 20140429

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Abstract (en)

[origin: EP3091147A1] The present invention relates to a high-pressure fluid storage system and a construction method therefor. The high-pressure fluid storage system according to the present invention includes: a first horizontal tunnel formed at a predetermined depth in the underground in a lateral direction; a cavern formed by excavating the ground downwardly from the first horizontal tunnel; and a fluid storage reservoir including a tank body for storing fluid and inserted into the cavern; a backfill layer formed by a backfill material filled between the tank body and an inner wall of the cavern; and a first plug formed by filling the backfill material into the first horizontal tunnel to close an upper portion of the cavern.

IPC 8 full level

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Citation (search report)

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