

Title (en)
CRYOGENIC TUNNEL AND METHOD OF OPERATING THE SAME

Title (de)
TIEFKÜHLTUNNEL UND VERFAHREN ZUM BETRIEB EINES SOLCHEN TUNNELS

Title (fr)
TUNNEL CRYOGÉNIQUE ET PROCÉDÉ DE CONDUITE D'UN TEL TUNNEL

Publication
EP 1490637 A1 20041229 (FR)

Application
EP 03725279 A 20030312

Priority

- FR 0300790 W 20030312
- FR 0203512 A 20020321

Abstract (en)
[origin: WO03081149A1] According to the inventive method for the operation of a cryogenic tunnel (1) fitted with means (2) for injecting a cryogenic fluid and means for variable-rate extraction (3) of cold gases, at least one temperature probe (21,22) which is located outside the tunnel (1) close to the entrance and/or exit thereof and able to provide a value T (input/output) of the temperature of the gases and at least one second temperature probe (23) located outside the tunnel and able to provide a value T (amb) of the ambient temperature of the premises wherein the tunnel operates are provided and the difference T (amb input/output) is determined between the ambient temperature T (amb) and the temperature T (input/output) which is compared to a predetermined setpoint value T_{set} ($T_{set} > T_{amb} < T_{input/output}$) in order to act retroactively, according to the result of said comparison, on the rate of extraction of the extraction means (3) in order to establish, if necessary, the value of said temperature difference with regard to the setpoint value T_{set} ($T_{set} > T_{amb} < T_{input/output}$).

IPC 1-7
F25D 3/11; **F25D 29/00**

IPC 8 full level
F25D 3/10 (2006.01); **F25D 3/11** (2006.01); **F25D 13/06** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)
F25D 3/11 (2013.01 - EP US); **F25D 29/001** (2013.01 - EP US); **F25D 2500/04** (2013.01 - EP US)

Citation (search report)
See references of WO 03081149A1

Cited by
US8535122B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03081149 A1 20031002; AT E334361 T1 20060815; AU 2003227825 A1 20031008; CA 2479369 A1 20031002; DE 60307075 D1 20060907; DE 60307075 T2 20070222; EP 1490637 A1 20041229; EP 1490637 B1 20060726; ES 2270026 T3 20070401; FR 2837563 A1 20030926; FR 2837563 B1 20041022; JP 2005527766 A 20050915; PT 1490637 E 20061229; US 2005126203 A1 20050616; US 7171815 B2 20070206

DOCDB simple family (application)
FR 0300790 W 20030312; AT 03725279 T 20030312; AU 2003227825 A 20030312; CA 2479369 A 20030312; DE 60307075 T 20030312; EP 03725279 A 20030312; ES 03725279 T 20030312; FR 0203512 A 20020321; JP 2003578837 A 20030312; PT 03725279 T 20030312; US 50714705 A 20050210