

Title (en)

CUTTING METHOD AND APPARATUS USING A JET OF CRYOGENIC FLUID

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHNEIDEN MITTELS EINES TIEFSTTEMPERATUR - FLÜSSIGKEITSSTRAHLES

Title (fr)

INSTALLATION ET PROCEDE DE DECOUPAGE PAR JET DE FLUIDE CRYOGENIQUE

Publication

**EP 0691901 A1 19960117 (FR)**

Application

**EP 94912580 A 19940331**

Priority

- FR 9400369 W 19940331
- FR 9303930 A 19930402
- FR 9303931 A 19930402

Abstract (en)

[origin: WO9422646A1] A cutting apparatus using a jet of cryogenic fluid and comprising a low pressure cryogenic fluid storage tank, a high pressure compressor (12), and a discharge nozzle (19) connected by lagged ducts. The operation of a heat exchanger (8) arranged between the storage tank (1) and the discharge nozzle (19) for cooling the discharged fluid to a constant set temperature is controlled by the output from a temperature sensor (31) at the inlet of the high pressure compressor (12). A cutting method carried out using said apparatus is also disclosed.

IPC 1-7

**B26F 3/00**

IPC 8 full level

**B26F 3/00** (2006.01); **F17C 7/02** (2006.01)

CPC (source: EP)

**B26F 3/004** (2013.01); **F17C 7/02** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/0119** (2013.01); **F17C 2201/0138** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/035** (2013.01); **F17C 2223/036** (2013.01); **F17C 2227/0157** (2013.01); **F17C 2227/03** (2013.01); **F17C 2250/0439** (2013.01)

Citation (search report)

See references of WO 9422646A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9422646 A1 19941013**; EP 0691901 A1 19960117; JP H08511205 A 19961126

DOCDB simple family (application)

**FR 9400369 W 19940331**; EP 94912580 A 19940331; JP 52176094 A 19940331