

Title (en)

Method and apparatus for the compression and transportation of a gas comprising a liquid fraction.

Title (de)

Verfahren und Vorrichtung zum Verdichten und Transportieren von einem, einen flüssigen teil enthaltenden gases.

Title (fr)

Procédé et dispositif de compression et de transport d'un gaz contenant une fraction liquide.

Publication

EP 0178962 A1 19860423 (FR)

Application

EP 85401735 A 19850906

Priority

FR 8413757 A 19840907

Abstract (en)

[origin: EP0178962B1] 1. A method for compressing and conveying a gas containing a hydrocarbon liquid fraction comprising the following stages in combination : a) introducing a liquid fraction comprising a polar solvent into said gas, b) transferring said gas to a turning rotor compressor, c) compressing said gas in said compressor and recovering at least part of the liquid fraction contained in said gas in the course of the same stage, i.e. the compressing and separating are essentially carried out at the same time, d) re-introducing at least part of the liquid fraction collected in stage c) into the compressed gas, the remaining fraction being recycled at a point upstream of said compressor, and e) conveying said compressed gas resulting from stage d) to a receiving site, stage a) being capable of being carried out before or after stage b).

Abstract (fr)

Le procédé comprend l'introduction d'un solvant dans le gaz provenant du puits, la formation d'une dispersion homogène, la compression du mélange résultant, la separation au moins partielle dans le compresseur de la fraction liquide contenue dans le gaz et le transport du mélange comprimé. Le procédé est particulièrement adapté à la production de gaz en mer et peut être réalisé entièrement sous la mer.

IPC 1-7

F17D 1/00; **E21B 43/34**

IPC 8 full level

C09K 8/02 (2006.01); **B01D 11/00** (2006.01); **B01D 47/16** (2006.01); **C09K 8/58** (2006.01); **E21B 43/00** (2006.01); **E21B 43/34** (2006.01); **F17D 1/00** (2006.01)

CPC (source: EP US)

E21B 43/36 (2013.01 - EP US); **F04D 25/0686** (2013.01 - EP US); **F17D 1/005** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2417057 A1 19790907 - INST FRANCAIS DU PETROLE [FR]
- [Y] US 4132535 A 19790102 - RIVERS JR JACOB B, et al
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FR 8413757 A 19840907; AR 30152785 A 19850906; CA 490137 A 19850906; DE 3570508 T 19850906; EP 85401735 A 19850906; JP 19748385 A 19850906; NO 853496 A 19850906; US 77357585 A 19850909