

Title (en)

A method and installation for the removal of nitrogen from natural gas

Title (de)

Verfahren und Anlage zur Entfernung von Stickstoff aus Erdgas

Title (fr)

Procédé et installation pour l'élimination d'azote de gaz naturel

Publication

**EP 0780649 A1 19970625 (EN)**

Application

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Priority

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Abstract (en)

The invention relates to a method for the removal of nitrogen from natural gas by means of cryocondensation. According to the invention liquid oxygen is used as the cooling means. Usually the natural gas has a nitrogen content of about 14% by volume. The invention further relates to an installation for the removal of nitrogen from natural gas. <IMAGE>

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IPC 8 full level

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Citation (search report)

- [A] US 5390499 A 19950221 - RHOADES GEORGE D [US], et al
- [A] US 5036671 A 19910806 - NELSON WARREN L [US], et al

Cited by

US10006695B2; US10288347B2; US10077937B2; US10852058B2; US10571187B2; US11486636B2; US10634426B2; US11097220B2; US11173445B2

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