

Title (en)

A SYSTEM AND METHOD FOR INJECTING GAS INTO A HYDROCARBON RESERVOIR

Title (de)

SYSTEM UND VERFAHREN ZUR GASINJECTION IN KOHLENWASSERSTOFFLAGERSTÄTTEN

Title (fr)

SYSTEME ET PROCEDE D'INJECTION DE GAZ DANS UN RESERVOIR D'HYDROCARBURES

Publication

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Application

EP 02801389 A 20021011

Priority

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- GB 0124609 A 20011012

Abstract (en)

[origin: WO03033867A2] Gas is supplied from a host facility (2) to an underwater gas compressor (10) via a connecting pipeline (6) and the gas compressor is connected to a plurality of gas injection wells (7) for a hydrocarbon reservoir via well supply flowlines (8). The gas compressor (10) compresses the supplied gas to a higher pressure, and drives the gas into the reservoir via the flowlines (8) and gas injection wells (7) at a pressure at least as high as the pressure of the production fluid in the reservoir. This raises the overall pressure in the reservoir to drive production fluid there to the host facility (2). The compressed gas may alternatively be injected into production fluid in a production well to provide a gas lift effect.

IPC 1-7

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IPC 8 full level

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