

Title (en)
GAS PIPE PUMPING SYSTEM

Publication
EP 0194837 A3 19880810 (EN)

Application
EP 86301698 A 19860310

Priority
GB 8506628 A 19850314

Abstract (en)
[origin: EP0194837A2] The system has a motor terminal box (2) secured to the exterior of a pipe (1) which may be anywhere between 10 and 40 inches in diameter. A squirrel cage induction motor (4) is located coaxially in the pipe on support webs (7) with the flow of gas taking place through the annular space (8) between the motor and the pipe. The motor rotor (13) is supported on bearings (9,10) supplied with oil, from a reservoir, by a pump (11) on downstream end of the motor shaft. Upstream, the motor shaft extension carries the rotor of a multi-stage axial compressor (14) on a thrust bearing (15) and front bearing (16). If required, a gearbox may be interposed between motor and compressor.

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F04D 25/02; F04D 29/60; F17D 1/07

IPC 8 full level
F04D 25/02 (2006.01); **F17D 1/07** (2006.01)

CPC (source: EP)
F04D 25/02 (2013.01); **F17D 1/07** (2013.01)

Citation (search report)

- SU 1174599 A1 19850823 - VNI PI TRANSPORTU PRIRODNOGO G [SU]
- DE 3215864 A1 19831103 - KORFMANN GMBH MASCHF [DE]
- GB 1002960 A 19650902 - GLOBE IND INC
- FR 998558 A 19520121 - FOURNIER ET MOUILLON ETS

Cited by
CN115355181A; EP3686476A4; US9032987B2; US9784076B2; US9784075B2

Designated contracting state (EPC)
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