

Title (en)
LIQUID-FEED TYPE GAS COMPRESSOR

Title (de)
GASVERDICHTER MIT FLÜSSIGKEITZUFUHR

Title (fr)
COMPRESSEUR DE GAZ DU TYPE À ALIMENTATION EN LIQUIDE

Publication
EP 3604808 B1 20210811 (EN)

Application
EP 18777716 A 20180327

Priority
• JP 2017013105 W 20170329
• JP 2018012412 W 20180327

Abstract (en)
[origin: EP3604808A1] A liquid-feed-type gas compressor that can monitor the liquid surface height in a gas-liquid separator is provided. An oil-feed-type air compressor includes: an oil separator that separates oil from compressed air discharged from a compressor main body 1 and stores the oil therein; a sampling line whose inlet side is connected to a predetermined height position of the oil separator and that allows fluid from the predetermined height position of the oil separator to flow by the pressure difference between the inlet side and the outlet side; a pressure sensor that detects the pressure of the fluid that flows or has flown in the sampling line; a controller that determines which of air and oil the fluid that flows in the sampling line is by carrying out determination of whether the pressure detected by the pressure sensor exceeds a set value P1 in some cases and determination of whether the pressure falls below a set value P2 in some cases; and an informing device that informs a determination result of the controller.

IPC 8 full level
F04B 39/06 (2006.01); **F04B 39/02** (2006.01); **F04C 29/00** (2006.01); **F04C 29/02** (2006.01); **F25B 1/00** (2006.01)

CPC (source: EP US)
F04B 39/02 (2013.01 - US); **F04B 39/0207** (2013.01 - EP); **F04B 39/06** (2013.01 - EP); **F04B 51/00** (2013.01 - US); **F04C 18/16** (2013.01 - EP); **F04C 29/0007** (2013.01 - EP); **F04C 29/021** (2013.01 - EP); **F25B 1/00** (2013.01 - EP); **F04C 2240/81** (2013.01 - EP); **F04C 2270/24** (2013.01 - EP)

Designated contracting state (EPC)
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EP 3604808 A1 20200205; **EP 3604808 A4 20201014**; **EP 3604808 B1 20210811**; CN 110462213 A 20191115; CN 110462213 B 20210413; JP 6742509 B2 20200819; JP WO2018181299 A1 20200109; TW 201837311 A 20181016; TW I671467 B 20190911; US 2020102950 A1 20200402; WO 2018179190 A1 20181004; WO 2018181299 A1 20181004

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EP 18777716 A 20180327; CN 201880019657 A 20180327; JP 2017013105 W 20170329; JP 2018012412 W 20180327; JP 2019509881 A 20180327; TW 107109591 A 20180321; US 201816495866 A 20180327