

Title (en)

A gas compressor casing and a system comprising the casing

Title (de)

Gaskompressorgehäuse und System mit dem Gehäuse

Title (fr)

Boîtier de compresseur de gaz et système comportant le boîtier

Publication

EP 2273130 A1 20110112 (EN)

Application

EP 09008922 A 20090708

Priority

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Abstract (en)

The present invention provides a reliable integrated arrangement for cooling a compressor system. This is provided by a casing design, where said casing (2) for gas compressor (100), comprises a channel (4) to carry a cooling medium (6), said channel (4) enclosed within an inner surface (8) and an outer surface (10) of a wall (12) of the casing (2) of the gas compressor (100), wherein said channel (4) is along the direction of the wall (12). The casing (2) has at least one inlet (14), extending to said channel (4) to receive the cooling medium (6) from the gas compressor (100) and at least one outlet (16) in the casing (2), extending to said channel (4), to let the cooling medium (6) enter hot regions of the gas compressor (100) from the channel (4).

IPC 8 full level

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Citation (search report)

- [X] FR 941756 A 19490120
- [A] DE 915137 C 19540715 - HERMANN WENGER, et al
- [A] EP 1321680 A2 20030625 - MISCEL OY [FI]
- [A] US 2004179947 A1 20040916 - AGRAWAL GIRIDHARI L [US], et al

Cited by

CN106246606A; CN111226042A; AU2018350939B2; FR3072428A1; CN111212981A; US11519425B2; US11384768B2; WO2019077213A1; WO2019077212A1

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