

Title (en)
RECIPROCATING COMPRESSOR FOR USE WITH AN ECONOMIZER

Title (de)
HUBKOLBENKOMPRESSOR ZUR VERWENDUNG MIT EINEM ECONOMIZER

Title (fr)
COMPRESSEUR ALTERNATIF DESTINÉ À ÊTRE UTILISÉ AVEC UN ÉCONOMISEUR

Publication
EP 4130473 A1 20230208 (EN)

Application
EP 22188812 A 20220804

Priority
US 202163229255 P 20210804

Abstract (en)
A compressor (20) includes a housing (22) having a suction inlet (24), at least one economizer inlet (25), and an outlet (26). A first cylinder arranged within the housing (22) includes a first suction valve arranged in fluid communication with the suction inlet (24) and a first discharge valve fluidly connected to the outlet (26). At least one second cylinder is arranged within the housing (22). The at least one second cylinder has a second suction valve in fluid communication with the at least one economizer inlet (25) and a second discharge valve fluidly connected to the outlet (26). A first piston (36) is arranged within the first cylinder and a second piston is arranged within the at least one second cylinder.

IPC 8 full level
F04B 27/00 (2006.01); **F04B 41/06** (2006.01); **F25B 1/02** (2006.01); **F25B 31/02** (2006.01); **F25B 40/00** (2006.01)

CPC (source: EP US)
F04B 27/00 (2013.01 - EP); **F04B 41/06** (2013.01 - EP); **F25B 1/02** (2013.01 - EP); **F25B 1/10** (2013.01 - US); **F25B 31/023** (2013.01 - EP); **F25B 41/20** (2021.01 - US); **F25B 2400/13** (2013.01 - US)

Citation (search report)

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- [A] EP 1739372 A2 20070103 - HUSSMANN CORP [US]
- [A] US 2014170003 A1 20140619 - BERGMAN ERNEST R [US], et al
- [A] US 2016123314 A1 20160505 - IGNATIEV KIRILL M [US], et al
- [A] WO 2016182998 A1 20161117 - CARRIER CORP [US]
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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KH MA MD TN

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