

Title (en)
REFRIGERATION SYSTEM COMPRISING AN EJECTOR ASSEMBLY AND METHOD FOR CONTROLLING SUCH A REFRIGERATION SYSTEM

Title (de)
KÜHLSYSTEM MIT EINER EJEKTORANORDNUNG UND VERFAHREN ZUR STEUERUNG EINES SOLCHEN KÜHLSYSTEMS

Title (fr)
SYSTÈME DE RÉFRIGÉRATION COMPRENANT UN ENSEMBLE ÉJECTEUR ET PROCÉDÉ DE COMMANDE D'UN TEL SYSTÈME DE RÉFRIGÉRATION

Publication
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Application
EP 23200752 A 20230929

Priority
DK PA202200912 A 20221007

Abstract (en)
Refrigeration system using CO₂ as the refrigerant is disclosed. The system (20) comprises a plurality of ejectors (2, 2', 2'', 2''') are arranged in parallel. Each of the ejectors (2, 2', 2'', 2''') comprises a motive port (8) and a suction port (20). Each of the ejectors (2, 2', 2'', 2''') has a fixed geometry. A first actuated ball valve (4, 4', 4'', 4''') is arranged in front of the motive port (8). A second actuated ball valve (6, 6', 6'', 6''') is arranged in front of the suction port (10). The system (20) comprises a control unit (12) arranged and configured to control the activity of the ball valves (4, 4', 4'', 4''', 6, 6', 6'', 6''') on the basis of one or more predefined criteria.

IPC 8 full level
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Citation (applicant)
US 2019111764 A1 20190418 - OSHITANI HIROSHI [JP], et al

Citation (search report)
• [XA] WO 2021200788 A1 20211007 - DAIKIN IND LTD [JP] & EP 4113034 A1 20230104 - DAIKIN IND LTD [JP]
• [IA] EP 3589900 A1 20200108 - DANFOSS AS [DK]

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DOCDB simple family (application)
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