

Title (en)

SPOOL VALVE, ESPECIALLY FOR USE IN TRANSCRITICAL CO2 (R 744) AIR-CONDITIONING CIRCUITS

Title (de)

LÄNGSSCHIEBERVENTIL, INSBESONDERE FÜR DIE VERWENDUNG VON TRANSKRITISCHEN CO2 (R 744) KLIMAKREISLÄUFE

Title (fr)

SOUPAPE À TIROIR LONGITUDINAL, EN PARTICULIER POUR L'UTILISATION DE CYCLES DE CLIMATISATION TRANSCRITIQUES AU CO2 (R 744)

Publication

EP 1971809 A1 20080924 (DE)

Application

EP 06841182 A 20061227

Priority

- EP 2006012557 W 20061227
- DE 102006001142 A 20060109

Abstract (en)

[origin: DE102006001142B3] The valve (1) has a sliding actuator (18) which has a flexible tubular construction and opposing holes (21) which cooperates with bores (22) in the housing (15) so that electromagnetic action (6,12) opens or closes the flow path to control the critical operation of the carbon dioxide refrigerant.

IPC 8 full level

F25B 41/06 (2006.01); **F16K 3/18** (2006.01); **F16K 3/26** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP US)

F16K 3/26 (2013.01 - EP US); **F16K 31/0668** (2013.01 - EP); **F25B 9/008** (2013.01 - EP); **F25B 41/34** (2021.01 - EP US); **F25B 41/345** (2021.01 - EP US); **F25B 2309/061** (2013.01 - EP); **Y02B 30/70** (2013.01 - EP)

Citation (search report)

See references of WO 2007079969A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006001142 B3 20070628; EP 1971809 A1 20080924; WO 2007079969 A1 20070719

DOCDB simple family (application)

DE 102006001142 A 20060109; EP 06841182 A 20061227; EP 2006012557 W 20061227