



(11) **EP 2 988 076 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 74

(51) Int Cl.:
F25B 41/00 ^(2006.01) **F25B 47/02** ^(2006.01)

(48) Corrigendum issued on:
25.09.2019 Bulletin 2019/39

(45) Date of publication and mention
of the grant of the patent:
21.08.2019 Bulletin 2019/34

(21) Application number: **15184100.4**

(22) Date of filing: **30.05.2001**

(54) **A LOW TEMPERATURE REFRIGERATION SYSTEM**
NIEDRIGTEMPERATURKÜHLSYSTEM
SYSTÈME DE RÉFRIGÉRATION BASSE TEMPÉRATURE

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

(30) Priority: **30.05.2000 US 207921 P**

(43) Date of publication of application:
24.02.2016 Bulletin 2016/08

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
11160246.2 / 2 351 976
01944188.0 / 1 200 780

(73) Proprietor: **Edwards Vacuum, LLC**
Sanborn, NY 14132 (US)

(72) Inventors:
• **HALL,, Paul, H.**
San Jose, CA California 95118 (US)
• **FLYNN,, Kevin, P.**
Novato, CA California 94947 (US)

(74) Representative: **Rawlins, Kate Cecilia**
Edwards Limited
Innovation Drive
Burgess Hill, West Sussex RH15 9TW (GB)

(56) References cited:
EP-A- 0 960 756 WO-A-99/34156
WO-A1-99/58905 US-A- 6 065 305

- **AARLIEN R ET AL: "COMPARISON OF PRACTICAL PERFORMANCE BETWEEN CO2 AND R-22 REVERSIBLE HEAT PUMPS FOR RESIDENTIAL USE", IIR - GUSTAV LORENTZEN CONFERENCE ON NATURAL WORKING FLUIDS.PROCEEDINGS, XX, XX, 2 June 1998 (1998-06-02), pages 388-398, XP001169065,**
- **NEKSA P ET AL: "CO2-heat pump water heater: characteristics, system design and experimental results", INTERNATIONAL JOURNAL OF REFRIGERATION, ELSEVIER, PARIS, FR, vol. 21, no. 3, 1 May 1998 (1998-05-01), pages 172-179, XP004287240, ISSN: 0140-7007**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).
