

Title (en)
Scroll decompression device for cryogenic temperatures

Title (de)
Spiralexpansionsanlage für Kryogene Temperaturen

Title (fr)
Dispositif de détente à spirales pour des températures cryogéniques

Publication
EP 1251278 A3 20030521 (FR)

Application
EP 02077846 A 19970206

Priority
• EP 96925790 A 19960716
• FR 9508608 A 19950717

Abstract (en)
[origin: FR2736999A1] A temperature reduction device using scrolls for cryogenic expansion is disclosed. The device for expansion of a gaseous, liquid or two-phase fluid, comprising an expansion compartment which includes a first scroll (72), a second scroll (70) inside said first scroll, and means for enabling circular translation but not actual rotation of the second scroll inside the first scroll for fluid expansion.

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IPC 8 full level
F01C 1/02 (2006.01); **F01C 1/04** (2006.01); **F01C 17/00** (2006.01); **F01C 17/06** (2006.01); **F01C 20/08** (2006.01); **F01C 21/02** (2006.01); **F04C 18/04** (2006.01); **F04C 23/00** (2006.01); **F25B 9/06** (2006.01); **F25B 9/14** (2006.01); **F25B 41/00** (2006.01)

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Citation (search report)
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• [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 230 (M - 333)<1667> 23 October 1984 (1984-10-23)

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