

Title (en)

Feeding method for a Joule-Thomson cooler and cooling device for carrying it out.

Title (de)

Zuleitungsverfahren für einen Joule-Thomson-Kühler und Kühlvorrichtung zu seiner Durchführung.

Title (fr)

Procédé d'alimentation d'un refroidisseur Joule-Thomson et appareil de refroidissement pour sa mise en oeuvre.

Publication

EP 0247935 A1 19871202 (FR)

Application

EP 87401167 A 19870525

Priority

FR 8607449 A 19860526

Abstract (en)

1. A method of supplying a Joule-Thompson cooler comprising a high-pressure conduit (19) which terminates in an high-pressure orifice (21), and a low-pressure draining circuit (24-16-17) in a heat exchange relationship with the high-pressure conduit (19) and into which the expansion orifice (21) opens, this method being of the type in which the high-pressure conduit (19) is supplied successively with a priming fluid and then with a working fluid, characterised in that the change from the priming fluid to the working fluid occurs when the cooling rate provided by the first fluid falls below the cooling rate provided by the second fluid and in that the working fluid is initially used at a high rate of flow, after which its rate of flow is abruptly reduced to end the cooling stage of the cooler.

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IPC 8 full level

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Citation (search report)

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