

Title (en)

METHOD AND SYSTEM FOR SUPPLYING CARBON DIOXIDE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERSORGUNG MIT KOHLENDIOXID

Title (fr)

PROCEDE ET SYSTEME D'ALIMENTATION EN DIOXYDE DE CARBONE

Publication

EP 1766103 A2 20070328 (EN)

Application

EP 05755008 A 20050531

Priority

- US 2005018814 W 20050531
- US 86269004 A 20040607

Abstract (en)

[origin: US2005268938A1] Provided is a novel method and system for supplying high-pressure carbon dioxide to an application having a variable carbon dioxide flow requirement. The method includes providing a high-pressure carbon dioxide feed stream to a buffer volume and determining the amount of carbon dioxide to be delivered to the application tool. The pressure in the buffer volume is maintained at a pressure that exceeds the pressure required by the application tool. The temperature in the buffer volume is further adjusted to modify the density of the carbon dioxide and based thereon the size of the buffer volume. Thereafter, the carbon dioxide from the buffer volume is delivered at a variable flow rate as required by the application tool.

IPC 8 full level

B08B 3/10 (2006.01); **B01J 3/00** (2006.01); **B08B 7/00** (2006.01); **C01B 32/50** (2017.01); **C23G 1/00** (2006.01); **F17C 9/02** (2006.01); **H01L 21/00** (2006.01); **H01L 21/02** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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