

Title (en)

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR AUTOMATED FLUID OR GAS DELIVERY

Title (de)

SYSTEM, VERFAHREN UND COMPUTERPROGRAMM-PRODUKT ZUR AUTOMATISIERTEN FLUID- ODER GASLIEFERUNG

Title (fr)

SYSTEME, PROCEDE ET PROGICIEL DE DISTRIBUTION AUTOMATIQUE DE FLUIDE OU DE GAZ

Publication

EP 1154857 A1 20011121 (EN)

Application

EP 00911695 A 20000204

Priority

- US 0002689 W 20000204
- US 24502399 A 19990205

Abstract (en)

[origin: WO0045957A1] A system (100), method and computer program product for automated delivery of a fluid or gas. The invention includes a motor drive (142) system connected to a rotary valve (138) having a plurality of inlet ports and outlet ports (146). A plurality of vessels (120) containing fluids and/or gases are fluidly interconnected to the inlet ports of the rotary valve. Distribution valves (128) are provided which control the flow of fluids and/or gases from each of the vessels (120) to the inlet ports (146) on the rotary valve (138). A processor controls the distribution valves (128) to allow or restrict the flow of fluids and/or gases to the inlet ports and controls movement and positioning of the motor (142), thereby controlling rotation of the rotary valve (138).

IPC 1-7

B01L 11/00; G01N 33/00; B32B 27/04; B01J 19/00

IPC 8 full level

G01N 37/00 (2006.01); **B01J 4/02** (2006.01); **B01J 19/00** (2006.01); **B01J 19/26** (2006.01); **C07H 1/00** (2006.01); **C07H 21/04** (2006.01); **C07K 1/10** (2006.01); **F16K 11/074** (2006.01); **F16K 15/04** (2006.01); **C40B 40/06** (2006.01); **C40B 40/10** (2006.01)

CPC (source: EP)

B01J 19/0046 (2013.01); **F16K 11/074** (2013.01); **F16K 15/04** (2013.01); **B01J 2219/00286** (2013.01); **B01J 2219/00351** (2013.01); **B01J 2219/00391** (2013.01); **B01J 2219/00479** (2013.01); **B01J 2219/0059** (2013.01); **B01J 2219/00689** (2013.01); **B01J 2219/00695** (2013.01); **B01J 2219/00698** (2013.01); **B01J 2219/00704** (2013.01); **B01J 2219/00722** (2013.01); **B01J 2219/00725** (2013.01); **C40B 40/06** (2013.01); **C40B 40/10** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0045957 A1 20000810; AU 3355400 A 20000825; EP 1154857 A1 20011121; EP 1154857 A4 20050119; JP 2002536158 A 20021029

DOCDB simple family (application)

US 0002689 W 20000204; AU 3355400 A 20000204; EP 00911695 A 20000204; JP 2000597066 A 20000204