

Title (en)

Solid product dispenser and method and apparatus to control dispensing rate of a solid product with changing temperature

Title (de)

Festkörperautomat und Verfahren und Vorrichtung zur Steuerung der Ausgaberate eines Festkörperprodukt mit sich ändernder Temperatur

Title (fr)

Distributeur de produit solide et procédé et appareil pour contrôler la vitesse de distribution d'un produit solide avec une température changeante

Publication

EP 1980315 A3 20081029 (EN)

Application

EP 08013057 A 20051014

Priority

- EP 05808958 A 20051014
- US 61978304 P 20041018
- US 61972704 P 20041018
- US 15291705 A 20050615
- US 15294005 A 20050615

Abstract (en)

[origin: WO2006044678A2] A dispenser (10) uses first and second flow controls (70, 73). The flow controls maintain first and second flow ranges independent of diluent pressure within a pressure range, wherein the use solution's concentration is maintained over the pressure range. A third flow control (75) may also be utilized in a third diluent passageway for maintaining a third flow range independent of the diluent pressure within the pressure range. A bypass valve assembly (41) is operatively connected to the third incoming diluent passageway. The bypass valve has a temperature control valve. The temperature control valve having a bypass passageway, wherein additional diluent is added to the use solution, thereby controlling the use solution's concentration.

IPC 8 full level

B01F 1/00 (2006.01); **A47L 15/44** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XA] US 5607651 A 19970304 - THOMAS JOHN E [US], et al
- [A] US 5782109 A 19980721 - SPRIGGS JOHN ROSS [US], et al
- [A] US 6737028 B1 20040518 - SCEPANSKI WILLIAM H [US], et al
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