

Title (en)

Method and system for dispensing gas cylinders

Title (de)

Verfahren und Vorrichtung zur Abgabe von Gasflaschen

Title (fr)

Procédé et dispositif de distribution de bouteilles de gaz

Publication

EP 1054363 A1 20001122 (FR)

Application

EP 00430023 A 20000519

Priority

FR 9906677 A 19990521

Abstract (en)

Device has two or more access openings (2a, 2b, 2c) with a similar number of blocking flaps (16a-16c) for the openings. Clos sensors (14a-c) are associated with the flaps and a non- contact identification sensor (3) is associated with each bottle connec An electronic processing unit (UTED) is connected to the sensors (3) for identification of a bottle in a cell, its type and characteristics.

IPC 1-7

G07F 7/06

IPC 8 full level

G07F 7/06 (2006.01)

CPC (source: EP)

G07F 7/0609 (2013.01); **F17C 2270/059** (2013.01)

Citation (applicant)

- FR 2423190 A1 19791116 - ELF ANTARGAZ [FR]
- EP 0860648 A2 19980826 - MILLIPORE CORP [US]
- FR 2685519 A1 19930625 - GEMPLUS CARD INT [FR]

Citation (search report)

- [YD] EP 0860648 A2 19980826 - MILLIPORE CORP [US]
- [YD] FR 2423190 A1 19791116 - ELF ANTARGAZ [FR]
- [AD] FR 2685519 A1 19930625 - GEMPLUS CARD INT [FR]
- [A] FR 2554263 A1 19850503 - JAMET ELIZABETH [FR]
- [A] GB 2288103 A 19951004 - HUGHES MICROELECTRONICS EUROPA [GB]
- [A] US 3179224 A 19650420 - HAUPT SR REGINALD C, et al
- [A] GB 2077555 A 19811216 - STANDARD TELEPHONES CABLES LTD
- [A] FR 2664802 A1 19920124 - PADET PHILIPPE
- [A] EP 0848359 A1 19980617 - HASENKOPF CHRISTIAN [DE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 363 (M - 1635) 8 July 1994 (1994-07-08)

Cited by

ES2255337A1; FR2853438A1; EP1139306A3; EP1139307A3; DE112009005534B4; DE112009002192B4; FR2828756A1; EP1396823A3; FR2848537A1; FR2823894A1; EP1494180A1; FR2855893A1; ES2242479A1; EP2503520A1; EP2629270A1; ES2627740A1; WO2017055648A1; WO2004090357A3; US9310024B2; US9890905B2; US7619523B2; US8469228B2

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