

Title (en)
Vending system for gas bottles

Title (de)
Verkaufssystem für Gasflaschen

Title (fr)
Système de vente pour bouteilles de gaz

Publication
EP 0848359 A1 19980617 (DE)

Application
EP 97122028 A 19971215

Priority
DE 19652147 A 19961214

Abstract (en)
Closeable containers (6), positioned on a transporter or on a fixed site, hold the empty gas-bottles (1b) or full gas bottles (1a). Each container has a closure device operated by a drive motor and which shuts up one gas bottle in the holder, and releases the gas bottle. The containers for full and empty bottles are separated. The closure device is operated by a control (12) connected to sensors. The gas bottles are locked to the base-rings of the holders.

Abstract (de)
Die Erfindung bezieht sich auf ein neuartiges Verkaufssystem für Gasflaschen für technische Gase und/oder Gase für die Energieerzeugung und ist gekennzeichnet durch verschließbare Aufnahmen zum Abstellen von leeren Gasflaschen und/oder zum Bereitstellen von vollen Gasflaschen.
<IMAGE>

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 (search report)
• [X] FR 2717598 A3 19950922 - PEREIRA GEORGES [FR]
• [A] US 3179224 A 19650420 - HAUPT SR REGINALD C, et al
• [A] FR 2101127 A1 19720331 - UTILISATION RATION GAZ
• [A] FR 2699310 A1 19940617 - SANNASSEE CYRIL [FR]
• [A] FR 2423190 A1 19791116 - ELF ANTARGAZ [FR]
• [A] FR 2664802 A1 19920124 - PADET PHILIPPE
• [A] EP 0269492 A1 19880601 - LORTHIOIR J BERNARD
• [A] FR 2721813 A1 19960105 - PHILIPPE FRANCOIS HENRI [FR]
• [A] FR 2117113 A5 19720721 - ACIDE CARBONIQUE PUR

Cited by
DE102009043816A1; EP2068286A1; EP1132872A1; FR2806195A1; FR3106688A1; EP1054363A1; FR2793927A1; EP1494180A1;
FR2855893A1; ES2242479A1; WO2021151636A1; WO2021217202A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0848359 A1 19980617

DOCDB simple family (application)
EP 97122028 A 19971215