

Title (en)
VENDING MACHINE

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Application
EP 89909480 A 19890809

Priority
• US 8903443 W 19890809
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Abstract (en)
[origin: WO9001755A1] This vending machine includes a housing frame (12) subdivided into vertical columns (1-8) adapted to receive cylindrical articles (C). Elongate, rotatable support members (60) are provided below each column for supporting the column of articles, which tend to rotate under the weight of the articles. A ratchet wheel (70) and pawl member (80) assembly provided at one end of each support member provides a release mechanism controlling rotation of the support member incident to dispensing an article. The release mechanism associated with a selected column is actuated by an indexing member (94) carried by an endless loop (100) driven by an electric motor (M). The indexing member is positioned adjacent one of the pawl members to dispense an article by moving an associated pawl member into and out of engagement with the ratchet wheel in response to customer selection. A depletion detection device (500) is provided.

IPC 1-7
G07F 11/10

IPC 8 full level
B65G 59/06 (2006.01); **G07F 11/10** (2006.01); **G07F 11/18** (2006.01); **G07F 11/24** (2006.01)

CPC (source: EP KR)
G07F 11/10 (2013.01 - EP KR); **G07F 11/24** (2013.01 - EP)

Citation (search report)
• [X] US 2901964 A 19590901 - JOHNSON PHILIP A
• [A] US 3057513 A 19621009 - TURMAN ODIS A
• [A] US 3819087 A 19740625 - SCHULLER J, et al
• [A] DE 1217671 B 19660526 - ALFRED NEFF DR
• [A] US 2864532 A 19581216 - CHRISTIAN GABRIELSEN
• See references of WO 9001755A1

Designated contracting state (EPC)
DE FR GB IT

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WO 9001755 A1 19900222; AU 4064489 A 19900305; AU 4203689 A 19900305; AU 628375 B2 19920917; AU 628387 B2 19920917; CA 1335195 C 19950411; CA 1335373 C 19950425; DE 68924645 D1 19951130; DE 68924645 T2 19960418; DE 68927374 D1 19961128; DE 68927374 T2 19970327; EP 0380655 A1 19900808; EP 0380655 A4 19901212; EP 0380655 B1 19961023; EP 0407481 A1 19910116; EP 0407481 A4 19930107; EP 0407481 B1 19951025; JP 2791908 B2 19980827; JP 2791909 B2 19980827; JP H03501902 A 19910425; JP H03502017 A 19910509; KR 0157218 B1 19990218; KR 0157219 B1 19990218; KR 900702484 A 19901207; KR 900702485 A 19901207; WO 9001754 A1 19900222

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