

EXECUTIVE SUMMARY

Brief Version

Optimization of Pharmacy Operations using **Automatic Distributed Vending System**

A-pharmacy™

Patent No. US 8,028,822

Automatic Distributed Vending System

Patent Pending No. US 13,335,954

**Optimization of Pharmacy Operations using
Automatic Distributed Vending System**

REV 2

December 14, 2013

LISTED DRAWINGS, ART – ARE NOT TO SCALE, AND FOR ILLUSTRATION PURPOSES ONLY.

INFORMATION PRESENTED IN RESPECT TO EXISTING PHARMACIES IS BASED ON DATA AVAILABLE FROM PUBLISHED REPORTS. ESTIMATES PROVIDED FOR **ADVS-pharmacy™** ARE PREPARED BY **ADVS-technologies** AND ARE BASED ON PRELIMINARY ENGINEERING DESIGNS, CALCULATIONS AND APPLICABLE INDUSTRY STANDARDS. **ADVS-technologies** OWNS TRADE-MARKS, DESIGNS, INTELLECTUAL PROPERTIES LISTED, AND RESERVES THE RIGHTS TO UPDATE INFORMATION AS NEEDED.

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The **ADVS-pharmacy™** is a patented technology under development by **ADVS-technologies**, which will enable pharmacists and their support staff to work efficiently and effectively as a team, focusing on the most important objectives of providing all customers with **100%** quality medications, at convenient locations, and without unnecessary delays. **ADVS-pharmacy™** is a configurable technology, allowing all pharmacies, from a single stand-alone pharmacy to a large franchise of pharmacies, to achieve above objectives with projected returns on investment within typically 1 year, 2 years maximum.

The **ADVS-pharmacy™** patented technology includes the following system level components:

ADVS-portable.vending.cartridge™ (PVC).

Specifications:

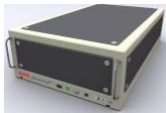


FIG. 1

- Configurable for processing of prescription medications: at **ADVS-pharmacy.central™** with delivery via **ADVS-pharmacy.mobile™**; on-site; combination of both.
- Capacity: 40-60 for centralized processing; 40-120 for on-site processing.
- Non-volatile electronics with continues monitoring of environment and security.

ADVS-automatic.vending.module™ (AVM).

Specifications:



FIG. 2

- Configurable to accept a number of **ADVS-portable.vending.cartridges™ (PVC)**.
- Capacity: 160-600 of prescription medications. **AVM-200** capacity equal 200.
- **AVM-200H** horizontal index dual-track CENTRAL/on-site processing: 36"D, 18"W, 42"H.
- **AVM-200V** vertical index dual-track on-site processing: 12"D, 18"W, 127"H.
- Non-volatile electronics with continues monitoring of: environment, security, inventory.
- Automatic dispensing rate: 1 prescription per 5 sec.; max. 10 prescriptions in 15 sec.
- Configurations include stand-alone 24 hours un-attended **ADVS-pharmacy.kiosk™** for operations indoors or outdoors.
- Configurable for operation at refrigeration temperatures.
- Configurable for centralized **ADVS-pharmacy.central™** operations via LAN.
- On-site real-time audio/video 24 hours **ADVS-pharmacy.connect™** CUSTOMER service.
- Configurable to include: CUSTOMER authorization; POS support; history log print-out.
- Dispensed prescription medications guaranteed to 100% compliance to specifications.
- Rejected prescriptions are dispensed back to PROVIDER.

ADVS-600

Specifications:



FIG. 3

- Includes 3 **AVM-200**. Total capacity - 600 of prescription medications.
- Combination of **AVM-200H** and **AVM-200V**, as needed.
- Non-volatile electronics with continues monitoring of: environment, security, inventory, quality.
- Service rate: up to 3 CUSTOMERS at once.
- Automatic dispensing rate per CUSTOMER: 1 prescription per 5 sec.; max. 10 prescriptions in 15 sec.
- Configurations include stand-alone 24 hours un-attended **ADVS-pharmacy.kiosk™** for operations indoors or outdoors.
- Configurable for operation at refrigeration temperatures.
- Configurable for centralized **ADVS-pharmacy.central™** operations via LAN.
- On-site real-time audio/video 24 hours CUSTOMER service via **ADVS-pharmacy.connect™**.
- Configurable: CUSTOMER interface and authorization; on-site POS support; history log print-out.
- Dispensing prescription medications guaranteed to 100% compliance to specifications: environment, weight, barcode label, size, due date.
- Rejected prescriptions are dispensed back to PROVIDER.

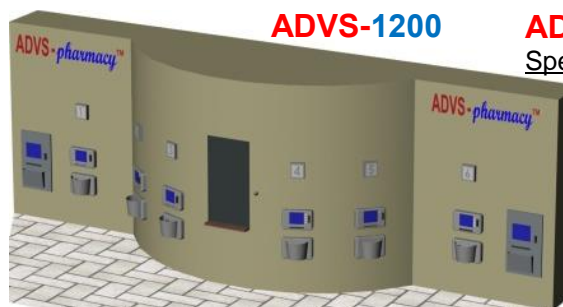


FIG. 4

ADVS-1200

ADVS-1200

Specifications:

- 4 **AVM-200H** and 2 **AVM-200V**. Efficient utilization of space.
- Total capacity of 1200 prescription medications.
- Prescription processing: 400 on-site, 800 centralized.
- Non-volatile electronics with continuous monitoring of: quality, environment, security, inventory, status.
- Service rate: up to 6 CUSTOMERS at once.
- Automatic dispensing rate per CUSTOMER: 1 per 5 sec.; max. 10 prescriptions in 15 sec.
- Configurable for operation at refrigeration temperatures.
- On-site real-time audio/video 24 hours CUSTOMER service via **ADVS-pharmacy.connect™**.
- Configurable: CUSTOMER interface and authorization; on-site POS support; history log print-out.
- Dispensing prescription medications are guaranteed to 100% compliance to specifications: environment, weight, barcode label, size, due date.
- Configurable for centralized **ADVS-pharmacy.central™** operations via LAN.
- Rejected prescriptions are dispensed back to PROVIDER.

While providing great benefits to the customers, the **ADVS-pharmacy™** will reward the providers (pharmacy owners) by achieving a significant increase in profits, primarily due to: improved operating efficiency lowering the dispensing costs; and increased number of customers benefiting from best quality of medications, high quality of service at convenient locations, including 24 hours operation.

Example: for a total investment of \$6.5M into patented **ADVS-pharmacy™** technology over a period of 2 years, a franchise business or pharmacy chain consisting initially of 30 pharmacies located within a city, such as Los Angeles, CA, can substantially improve its performance from parameters listed in Table 1 to projected parameters listed in Table 2, with ROI within 2 years after deployment.

Service Locations	Average Distance	Prescriptions Daily	Customers Serviced at once	24-hrs Locations	Average Distance
30	3 mi	400 per location 12K total	2 per location 60 total	5	10 mi

Table 1 – Initial parameters

Services Locations	Average Distance	Prescriptions Daily	Customers Serviced at once	24-hrs Locations	Average Distance	Dispensing Cost Savings
55	2 mi	13.6K total	351 total	55	2 mi	\$0.96 average
83% increase	30% lower	13% higher	6 times higher	11 times higher	5 times lower	Annual Savings \$4.8M

Table 2 – Performance parameters using **ADVS-pharmacy™**

The patented **ADVS-pharmacy™** technology is a comprehensive solution, providing all required automation components and system level solutions to ensure only 100% quality medications are dispensed to authorized customers. In addition, there are number of very important benefits, including: compliance to Government regulations in accountability, security of raw materials and medications.

The **ADVS-pharmacy™** will be the first technology to retain prescription medications at required specifications at all times, including refrigeration temperatures.

For additional information, please visit our website: www.adv-technologies.com