Title (en)

AUTOMATED FEEDER SYSTEM AND APPARATUS

Title (de)

AUTOMATISIERTES ZUFÜHRSYSTEM UND VORRICHTUNG

Title (fr)

APPAREIL ET SYSTEME D'ALIMENTATION AUTOMATIQUE

Publication

EP 0784587 A4 19980318 (EN)

Application

EP 95904047 A 19941018

Priority

US 9411459 W 19941018

Abstract (en)

[origin: WO9611866A1] A feeder system (10) for sequentially supplying a plurality of cuvettes (30) or other objects to a conveyor track (18). The system includes a cassette (24), an escapement (15), and an actuator (198). The cassette retains the objects/cuvettes in at least one substantially vertical stack over the conveyor. The escapement (198) is movable between a first position in which the escapement supports the bottom object in the stack, a second middle position in which the escapement supports both the bottom object and the object above it and a third position in which the escapement continues to support the object in said stack above the bottom object and releases the bottom object to be deposited on the conveyor. The actuator moves the escapement between the first, second and third positions. Novel apparatus for use in the system, including a stick (86) for loading cuvettes into a cassette and a cuvette particularly adapted for stacking, are also provided.

IPC 1-7

B65G 59/06

IPC 8 full level

B65G 59/06 (2006.01); **G01N 35/04** (2006.01); **G07F 11/22** (2006.01)

CPC (source: EP)

B65G 59/062 (2013.01); **G01N 35/04** (2013.01); **G07F 11/22** (2013.01); G01N 2035/0465 (2013.01)

Citation (search report)

- [XY] US 5251784 A 19931012 - CHACON SEVILA RAFAEL I [ES], et al
- [X] US 4300684 A 19811117 - SMITH JAMES D, et al
- [Y] US 5065897 A 19911119 - SMITH ROBERT D [US]
- [Y] US 4542834 A 19850924 - KUROSAWA AKIHITO [JP], et al
- See references of WO 9611866A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

WO 9611866 A1 19960425; AU 1287995 A 19960506; EP 0784587 A1 19970723; EP 0784587 A4 19980318

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