

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 February 2001 (01.02.2001)

PCT

(10) International Publication Number
WO 01/07345 A1

(51) International Patent Classification⁷: B65G 1/06, 1/08

(21) International Application Number: PCT/NL00/00518

(22) International Filing Date: 21 July 2000 (21.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1012682 23 July 1999 (23.07.1999) NL

(71) Applicant (for all designated States except US): FOUNTAIN TECHNOLOGIES B.V. [NL/NL]; Rivium Quadrant 94, NL-2909 LC Capelle aan den IJssel (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HOOGLAND, Hendricus, Antonius [NL/NL]; Ganimedesstraat 40, NL-1562 ZN Krommenie (NL).

(74) Agent: VOLMER, J., C.; Exter Polak & Charlois B.V., P.O. Box 3241, NL-2280 GE Rijswijk (NL).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

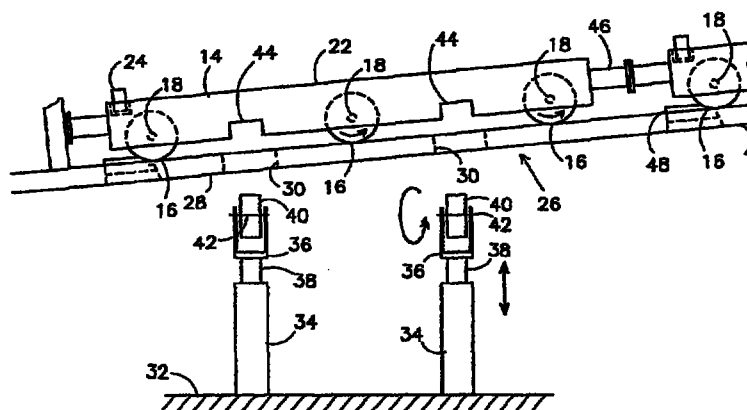
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE FOR STORAGE AND CONVEYANCE OF BULKY HOLDERS



(57) Abstract: The invention relates to a device for storage and conveyance of bulky holders (C), comprising at least one tier (32), each tier comprising at least one conveyance circuit (2) for the holders (C), and each conveyance circuit (2) comprising at least two longitudinal paths (4, 6) disposed substantially parallel to each other, for conveyance of the holders (C) in the direction of the longitudinal paths (4, 6), which longitudinal paths (4, 6) each define a first predetermined number (N) of adjoining holder positions for the holders (C) while two adjacent longitudinal paths (4, 6) of a conveyance circuit (2) slope from the same end in opposite directions, and in which transverse tracks situated at the opposite ends of the longitudinal paths and movable at least in the vertical direction are also provided, for conveyance of the holders (C) in the direction of the transverse tracks, which transverse tracks can transfer the holders (C) to and from the longitudinal paths (4, 6), and also comprising a second predetermined number ($M \leq 2 \cdot N - 1$) of carriers (14) which are movable along the longitudinal paths and transverse tracks and are designed to take one or more holders (C), lifting means (34) being provided for moving the transverse tracks in the vertical direction.

WO 01/07345 A1