

28 SEP 2002

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

162162

(43) International Publication Date
8 November 2001 (08.11.2001)

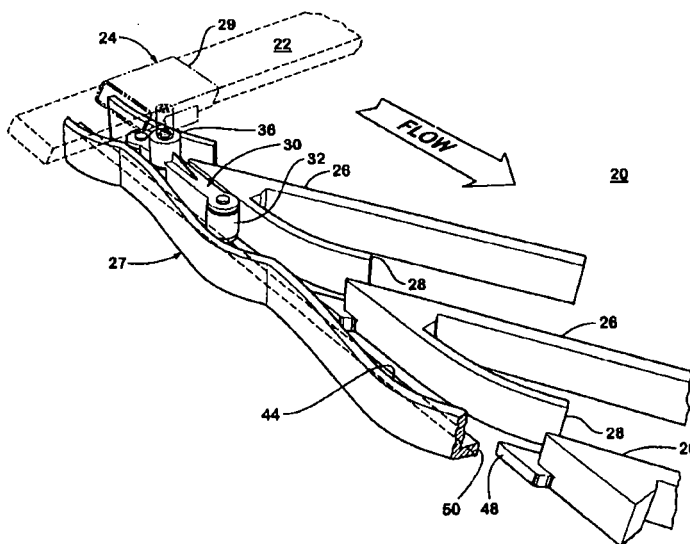
PCT

(10) International Publication Number
WO 01/83342 A1

- (51) International Patent Classification⁷: B65G 47/84 (74) Agent: MEISSNER, P., E.; Patentanwaltsbüro, Meissner & Meissner, Hohenzollerndamm 89, 14199 Berlin (DE).
- (21) International Application Number: PCT/EP01/04746
- (22) International Filing Date: 26 April 2001 (26.04.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/200,183 27 April 2000 (27.04.2000) US
60/235,108 25 September 2000 (25.09.2000) US
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- (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, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, MI, MR, NE, SN, TD, TG).
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- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: SORTATION SYSTEM DIVERTER SWITCH



(57) Abstract: A positive displacement sorter, preferably of the parallel displacement type, includes a conveying surface, a plurality of pusher shoes capable of travelling laterally of the conveying surface, a plurality of diverting rails extending diagonally under the conveying surface and a plurality of electromagnetic actuators associated with the diverting rails. The pusher shoes include a transfer assembly below the conveying surface including a pilot member made of a magnetically permeable material. A pusher shoe is diverted to one of the diverting rails by the actuator associated with the diverting rail magnetically attracting the pilot member associated with that pusher shoe to magnetically initiate a divert. The transfer member associated with the pusher shoe mechanically completes the divert that is initiated magnetically. This allows actuators to be positioned at a pitch that is no greater than the shoe pitch.

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ACTION

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