

Title (en)

Method for feeding laundry pieces to a laundry treatment apparatus

Title (de)

Verfahren zum Zuführen von Wäschestücken zu einer Wäschebehandlungseinrichtung

Title (fr)

Procédé pour amener des pièces de linge à un appareil de traitement du linge

Publication

EP 0982428 B1 20040303 (DE)

Application

EP 99115359 A 19990804

Priority

DE 19839004 A 19980827

Abstract (en)

[origin: EP0982428A1] To move laundry to the laundering stations, the laundry is clipped manually to a conveyor to be carried into a store zone and then passed to the laundering process. Before the laundry (10) enters the store zone (23), it is scanned to give a relevant value for the laundering equipment, and then passed into the holding zone (23). The scanning action gives the length between two laundry carrier clips (15) at the conveyor (14), holding the edges (13) of each laundry item (10) pref. to give the laundry edge length to be passed into the laundry processing unit, and especially the edge (13) of the laundry (10) across its insertion direction. The edge (13) of the laundry (10) is measured while it is held by the successive carrier clips (15) on the direction of movement (16) of the laundry conveyor (14). A retaining measurement rod gives the laundry edge length as the laundry (10) is moved onwards by the conveyor (14). The onwards movement of the laundry (10) is stopped temporarily before the start of length measurement, for the insertion of the measurement rod into the movement path of the laundry (10). As the laundry (10) is moved onwards, the measurement rod is detached from the edge (13) of the laundry (10) to be measured. The measurement rod is inserted into the laundry movement path between two successive carrier clips (15) which hold neighboring corners of each laundry item (10), and to swing as the laundry travels along with the conveyor (14), so that the carrier clips (15) move past the rod. At the holding zone (23), the laundry (10) is sorted into an intermediate store zone according the measured edge length, to be carried in an appropriate section (24-26) of the holding zone (23). The separate holding stretches (24-26) are arranged according to the number of passes required through the laundry processing unit such as a mangle (11) for the measured laundry edge (13) length. An independent claim is included for a laundry transport assembly with a monitor station for the carried laundry (10) on the conveyor (14) before it reaches the holding zone (23), to register at least one relevant measurement appropriate to the laundry processing unit to take the laundry. Preferred Features: The monitor has a retaining measurement rod, pref. in a U-shape, which swings parallel to the direction of laundry travel with the conveyor. The measurement rod can slide in and out of action across the direction of laundry travel.

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP2045391A3; EP3305977A4; EP4067563A3; EP1148170A3; EP2784208A3; CN112384454A; EP3819236A4; US11993472B2; US9187253B2; US8438761B2; EP4056752A1; WO2005049911A1; US8142129B2; EP1146163A2

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