

Title (en)

DEVICE AND METHOD WHICH ARE USED TO LOAD FLAT ARTICLES OF CLOTHING INTO A LAUNDRY TREATMENT UNIT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINFÜHREN VON FLACHEN KLEIDUNGSSTÜCKEN IN EIN WÄSCHEBEHANDLUNGSAGGREGAT

Title (fr)

APPAREIL ET PROCEDE DESTINES AU CHARGEMENT D'ARTICLES VESTIMENTAIRES PLANS DANS UNE UNITE DE TRAITEMENT DE BLANCHISSERIE

Publication

**EP 1683908 A1 20060726 (EN)**

Application

**EP 03758114 A 20031010**

Priority

ES 0300516 W 20031010

Abstract (en)

The apparatus includes a frame (1) having an entrance opposite an end (31) of a conveyor belt (30), at least one loading post (2) controlled by an operator, with a first pair of clamps (3, 4) for an article of clothing, and means for lifting said clamps (3, 4) until the article is transferred to a second pair of clamps (5, 6) associated with spreading out means. The spreading out means include pivoting arm (11) supporting clamps (3, 4) that is connected to a slide (12) slidably mounted on a tilted guide rail (13). Rotation driving means of arm (11) and translation driving means of slide (12) serve to move clamps (3, 4) in a combined translation and rotation trajectory.

IPC 8 full level

**D06F 67/04** (2006.01)

CPC (source: EP)

**D06F 67/04** (2013.01)

Cited by

EP2584087A1; US8438761B2; WO2022208796A1; WO2008141649A1; WO2013057562A2; WO2021123169A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1683908 A1 20060726; EP 1683908 B1 20100127**; AT E456698 T1 20100215; AU 2003274132 A1 20050427; CN 1878902 A 20061213; CN 1878902 B 20110608; DE 60331178 D1 20100318; DK 1683908 T3 20100531; ES 2340923 T3 20100611; WO 2005035860 A1 20050421

DOCDB simple family (application)

**EP 03758114 A 20031010**; AT 03758114 T 20031010; AU 2003274132 A 20031010; CN 200380110763 A 20031010; DE 60331178 T 20031010; DK 03758114 T 20031010; ES 0300516 W 20031010; ES 03758114 T 20031010