

Title (en)
METHOD AND DEVICE FOR FEEDING LAUNDRY ITEMS INTO A LAUNDRY TREATMENT DEVICE, IN PARTICULAR A MANGLE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM ZUFÜHREN VON WÄSCHESTÜCKEN ZU EINER WÄSCHEBEHANDLUNGSEINRICHTUNG, VORZUGSWEISE EINER MANGEL

Title (fr)
PROCÉDÉ ET DISPOSITIF DE GUIDAGE DE LINGE DANS UN DISPOSITIF DE TRAITEMENT DU LINGE, DE PRÉFÉRENCE DANS UNE ESSOREUSE

Publication
EP 3301218 A3 20180704 (DE)

Application
EP 17001544 A 20170915

Priority
DE 102016011676 A 20160929

Abstract (en)
[origin: US2018087213A1] Items of laundry are fed to mangles by insertion machines, which have a spreading device with moveable spreading clips which spread out and center a front transverse edge of the item of laundry upstream of a feed conveyor. A plurality of loading stations are located upstream of the spreading device. The spreading clips retrieve an item of laundry from the loading stations, which, in the case of outer loading stations, requires long movement distances of the spreading clips, which reduces the cycle time of the insertion machine. The invention makes provision to transfer items of laundry from outer loading stations to transfer clips which move the items of laundry from the outer loading stations into the vicinity of the center of the feed conveyor, then transfer the item of laundry to the spreading clips in the center of the feed conveyor, thus reducing the travel distances of the spreading clips.

IPC 8 full level
D06F 67/04 (2006.01)

CPC (source: EP US)
D06F 67/04 (2013.01 - EP US)

Citation (search report)

- [XAI] US 5440810 A 19950815 - BORUCKI MARTIN T [US], et al
- [A] EP 2642019 A1 20130925 - KANNEGIESSER H GMBH CO [DE]
- [A] WO 2009118643 A1 20091001 - LAPAUW DOMINIQUE [BE], et al
- [A] DE 102008021810 A1 20090409 - KANNEGIESSER H GMBH CO [DE]
- [A] WO 2005038121 A2 20050428 - KANNEGIESSER H GMBH CO [DE], et al
- [A] DE 102005024801 A1 20061130 - KANNEGIESSER H GMBH CO [DE]
- [A] EP 3073009 A1 20160928 - KANNEGIESSER H GMBH CO [DE]

Cited by
US11053635B2; EP3569761A1; WO2021123169A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (application)
EP 17001544 A 20170915; DE 102016011676 A 20160929; DK 17001544 T 20170915; DK 23156968 T 20170915; EP 18000714 A 20170915; EP 23156968 A 20170915; ES 17001544 T 20170915; US 201715715461 A 20170926