

Title (en)

METHOD AND APPARATUS FOR TREATING LAUNDRY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON WÄSCHE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRAITEMENT DE LINGE

Publication

EP 3538700 B1 20240306 (DE)

Application

EP 17794896 A 20171102

Priority

- DE 102016013380 A 20161111
- DE 102017001586 A 20170217
- EP 2017001271 W 20171102

Abstract (en)

[origin: WO2018086729A1] Up until now the washing and drying of items of laundry in commercial laundries has taken place in a washing appliance (10) and a separate dryer (41). The washing appliance (10) is usually designed in the form of a continuous washing machine having an elongate drum which can be driven in rotation. The washed laundry is loaded from the continuous washing machine into a draining device and, once drained of water, is transferred from said device into a dryer, in particular a drum dryer. The laundry is circulated together with the washing and rinsing detergent in the rotationally driven drum of the continuous washing machine. This has an adverse effect on the laundry. Moreover, the continuous washing machine and the separate dryer take up a lot of space in the laundry area. The invention provides for the laundry to be washed and rinsed in the washing appliance (10) in a state in which lies spread out on an upper strand (13) of a belt conveyor (11) and, directly thereafter, to be dried in a likewise spread-out state on an upper strand (43) of a belt conveyor (42). During the washing, rinsing and also the drying operations, the laundry rests on the belt conveyors (11, 42), which also transport the laundry through the washing appliance (10) and the dryer (41). The items of laundry here are washed, and also rinsed, by being sprayed with jets of liquid. The procedure described provides for a compact washing and drying system and is gentler on the items of laundry.

IPC 8 full level

D06F 31/00 (2006.01); **F26B 3/04** (2006.01); **F26B 3/30** (2006.01); **F26B 15/18** (2006.01); **D06F 60/00** (2009.01); **D06F 95/00** (2006.01)

CPC (source: EP US)

D06F 31/00 (2013.01 - EP US); **D06F 58/12** (2013.01 - US); **D06F 60/00** (2013.01 - US); **F26B 3/04** (2013.01 - EP); **F26B 3/30** (2013.01 - EP); **F26B 15/18** (2013.01 - EP); **D06F 33/30** (2020.02 - US); **D06F 60/00** (2013.01 - EP); **D06F 95/00** (2013.01 - EP US); **F26B 3/04** (2013.01 - US); **F26B 15/18** (2013.01 - US)

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

DOCDB simple family (publication)

WO 2018086729 A1 20180517; DE 102017001586 A1 20180517; DK 3538700 T3 20240521; EP 3538700 A1 20190918; EP 3538700 B1 20240306; US 11492740 B2 20221108; US 2020056315 A1 20200220

DOCDB simple family (application)

EP 2017001271 W 20171102; DE 102017001586 A 20170217; DK 17794896 T 20171102; EP 17794896 A 20171102; US 201716348413 A 20171102