

Title (en)

Laundry treatment apparatus with heat exchanger cleaning

Title (de)

Wäschebehandlungsvorrichtung mit Wärmetauscherreinigung

Title (fr)

Appareil de traitement du linge avec nettoyage d'échangeur de chaleur

Publication

EP 2628846 B1 20181114 (EN)

Application

EP 12156207 A 20120220

Priority

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Abstract (en)

[origin: EP2628846A1] The invention relates to a laundry treatment apparatus (2), in particular dryer or washing machine having a dryer function, comprising a control unit, a laundry treatment chamber for treating laundry using process air, a process air loop for circulating the process air, a heat exchanger (10) arranged in the process air loop for cooling the process air, a nozzle element (42) comprising at least one outlet (44) each for providing a liquid spray in operation, wherein the nozzle element (42) is connected to a liquid supply source and is adapted to spray liquid to the heat exchanger (10) in at least one liquid spray for cleaning the heat exchanger (10), a flexible coupling element (52) arranged between the nozzle element (42) and the liquid supply source, and a pivot element (56) having a pivot axis (D) for pivotally supporting the nozzle element (42) such that at least one liquid spray can sweep over the heat exchanger (10). The arrangement of the pivot axis (D) and the flexible coupling element (56) with respect to the nozzle element (42) is configured such that the angular orientation of the nozzle element (42) is varied in dependency of the liquid pressure or the liquid flow, or the arrangement of the pivot axis (D) and the outflow or liquid spray direction of the at least one outlet opening (44) with respect to the nozzle element (42) is configured such that the angular orientation of the nozzle element (42) is varied in dependency of the liquid pressure or liquid flow out of the outlet (44).

IPC 8 full level

D06F 58/24 (2006.01)

CPC (source: EP US)

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Cited by

DE102013222928A1; CN104562602A; DE102013222926A1; EP3415679A1; DE102017209839A1; EP2918722A1; DE102014218247A1; US9605375B2; DE102014200768A1; EP3190225A1; KR20170082045A; CN106939493A; CN107923115A; US2019024299A1; AU2016384523B2; AU2016384523B9; CN114127359A; WO2017133528A1; US10738403B2; US10273627B2; US11898300B2; WO2022169322A1; WO2015185079A1; WO2017039298A1; WO2021010743A1

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