

Title (en)  
CLOTHES WASHING METHOD, CLOTHES PROCESSING DEVICE AND CONTROL APPARATUS THEREOF

Title (de)  
VERFAHREN ZUM WASCHEN VON KLEIDUNG, VORRICHTUNG ZUR VERARBEITUNG VON KLEIDUNG UND STEUERGERÄT DAFÜR

Title (fr)  
PROCÉDÉ DE LAVAGE DU LINGE, DISPOSITIF DE TRAITEMENT DU LINGE ET APPAREIL DE COMMANDE ASSOCIÉ

Publication  
**EP 3882388 A1 20210922 (EN)**

Application  
**EP 21161223 A 20210308**

Priority  
CN 202010194804 A 20200319

Abstract (en)  
Embodiments of the present application provide a clothes washing method, a clothes processing device and a control apparatus comprising a storage medium. The clothes washing method includes: providing a certain volume of water to a clothes processing device and increasing a rotational speed of a drum to a set rotational speed; turning on a circulating pump to spray water onto a load in the clothes processing device to wet the load; determining whether the load is fully wetted, and if not, replenishing water and repeating the spraying step until the load is completely wetted; turning on a draining pump to drain free water; and opening an air heating tube to heat air; turning on a fan to make the heated air flow to form hot air, and make the hot air pass through and heat the load; and washing the load. Such clothes washing method forms a heating washing mode which may be selected according to the mass of the load and which may complete the washing process efficiently. By using such method also called as a steam thermal washing mode, the wet and hot load may be fully contacted and beaten with the drum of the clothes processing device, thereby efficiently completing the heating washing process. Further, the washing method may include: detecting mass of a load put in a clothes processing device; determining whether the mass of the load is greater than a first threshold; if yes, executing a first heating washing mode; and if not, executing a second heating washing mode. Different heating washing modes are selected according to the mass of the load, to efficiently complete the washing process.

IPC 8 full level  
**D06F 33/36** (2020.01); **D06F 39/04** (2006.01); **D06F 25/00** (2006.01); **D06F 103/04** (2020.01); **D06F 105/02** (2020.01); **D06F 105/10** (2020.01); **D06F 105/28** (2020.01); **D06F 105/48** (2020.01)

CPC (source: CN EP)  
**D06F 25/00** (2013.01 - CN); **D06F 33/32** (2020.02 - CN); **D06F 33/34** (2020.02 - CN); **D06F 33/36** (2020.02 - EP); **D06F 33/42** (2020.02 - CN); **D06F 33/63** (2020.02 - CN); **D06F 34/00** (2020.02 - CN); **D06F 39/04** (2013.01 - CN EP); **D06F 39/088** (2013.01 - CN); **D06F 58/02** (2013.01 - CN); **D06F 58/26** (2013.01 - CN); **D06F 25/00** (2013.01 - EP); **D06F 33/46** (2020.02 - EP); **D06F 2103/04** (2020.02 - EP); **D06F 2105/02** (2020.02 - EP); **D06F 2105/10** (2020.02 - EP); **D06F 2105/28** (2020.02 - EP); **D06F 2105/48** (2020.02 - EP)

Citation (search report)

- [XA] EP 2540896 A1 20130102 - ELECTROLUX HOME PROD CORP [BE]
- [XA] JP 2016202775 A 20161208 - HITACHI APPLIANCES INC
- [A] CN 110258073 A 20190920 - QINGDAO HAIER DRUM WASHING MACHINE CO LTD, et al
- [A] DE 202010018379 U1 20160307 - LG ELECTRONICS INC [KR]

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)  
BA ME

DOCDB simple family (publication)  
**EP 3882387 A1 20210922; EP 3882387 B1 20230920; CN 113493979 A 20211012; EP 3882388 A1 20210922**

DOCDB simple family (application)  
**EP 21161222 A 20210308; CN 202010194804 A 20200319; EP 21161223 A 20210308**