

Title (en)  
CLOTHES TREATMENT APPARATUS AND CONTROL METHOD THEREFOR

Title (de)  
BEKLEIDUNGSBEHANDLUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)  
APPAREIL DE TRAITEMENT DE VÊTEMENTS ET SON PROCÉDÉ DE COMMANDE

Publication  
**EP 3505674 A1 20190703 (EN)**

Application  
**EP 17844000 A 20170825**

Priority

- KR 20160108328 A 20160825
- KR 20170101338 A 20170809
- KR 20170101334 A 20170809
- KR 20170101340 A 20170809
- KR 20170101332 A 20170809
- KR 2017009341 W 20170825

Abstract (en)  
The present invention relates to a clothes treatment apparatus and, more particularly, to a clothes treatment apparatus for directly heating a drum accommodating clothes. According to an embodiment of the present disclosure, provided is a clothes treatment apparatus comprising: a tub; a drum, made of a metal, which accommodates clothes and is rotatably provided inside the tub; and an induction module, provided in the tub so as to have a spacing from a circumferential surface of the drum, for generating an electromagnetic field to heat the circumferential surface of the drum, wherein the induction module comprises: a coil which is formed by winding a wire such that electric current is applied thereto to generate a magnetic field; and a base housing mounted on an outer circumferential surface of the tub, wherein the base housing is provided with a coil slot for defining the shape of the coil in such a manner that the wire is mounted therein so as to have a predetermined distance between wire and wire.

IPC 8 full level  
**D06F 39/04** (2006.01); **D06F 37/06** (2006.01); **D06F 37/22** (2006.01); **D06F 37/42** (2006.01); **D06F 39/08** (2006.01); **D06F 58/04** (2006.01); **D06F 58/10** (2006.01); **D06F 58/26** (2006.01); **D06F 34/26** (2020.01)

CPC (source: CN EP US)  
**D06F 34/08** (2020.02 - CN); **D06F 34/14** (2020.02 - CN); **D06F 39/04** (2013.01 - CN EP US); **D06F 58/26** (2013.01 - CN US); **D06F 25/00** (2013.01 - EP US); **D06F 34/26** (2020.02 - US); **D06F 37/267** (2013.01 - EP); **D06F 58/04** (2013.01 - US); **D06F 58/26** (2013.01 - EP); **D06F 2103/24** (2020.02 - CN); **D06F 2103/32** (2020.02 - US); **D06F 2103/52** (2020.02 - CN); **D06F 2105/28** (2020.02 - CN US)

Cited by  
EP3767024A1; EP4079959A1; US11466398B2; US11773529B2

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 3505674 A1 20190703**; **EP 3505674 A4 20200325**; **EP 3505674 B1 20230607**; **EP 3505674 C0 20230607**; CN 109844211 A 20190604; CN 109844211 B 20211126; CN 114045640 A 20220215; CN 114045640 B 20240119; CN 114045641 A 20220215; CN 114045641 B 20240405; EP 4155452 A1 20230329; EP 4155453 A1 20230329

DOCDB simple family (application)  
**EP 17844000 A 20170825**; CN 201780065177 A 20170825; CN 202111319107 A 20170825; CN 202111319129 A 20170825; EP 22201833 A 20170825; EP 22201834 A 20170825