

Title (en)  
HOUSEHOLD APPLIANCE WITH USER INTERFACE

Title (de)  
HAUSHALTSGERÄT MIT BENUTZERSCHNITTSTELLE

Title (fr)  
APPAREIL MÉNAGER POURVU D'UNE INTERFACE UTILISATEUR

Publication  
**EP 3543390 B1 20200617 (EN)**

Application  
**EP 19163751 A 20190319**

Priority  
IT 201800003723 A 20180319

Abstract (en)  
[origin: EP3543390A1] A household appliance (1) comprises a housing (2) with an outer wall (3) forming an outer surface (4), a treatment seat (5) formed in the, or on the housing (2) and adapted to receive or support domestic products in a treatment position (6), a treatment device (7) arranged inside the housing (2), a treatment detector (8) configured to detect a value of a treatment parameter, an electronic control system (10) in signal connection with the treatment device (7) and with the treatment detector (8) and configured to command the treatment device (7) in dependency of a treatment program and in dependency of the value detected by the treatment detector (8), a user interface (11) in signal connection with the electronic control system (10), wherein the user interface (11) comprises at least one video projector (14) mounted onto the household appliance (1) at the outer wall (3) and configured to visualize treatment program parameters, by means of a process of light projecting onto a display area (15) of the outer surface (4) of the housing (2) and at least one command input sensor (16) adapted to detect a movement of the user's hand at the display area (15) and to generate a corresponding hand movement signal, wherein the electronic control system (10) processes the hand movement signal and generates a user command signal, sets the treatment program parameters in dependency of the user command signal generated, and commands the visualization by means of the video projector (14) in dependency of the user command signal generated.

IPC 8 full level  
**D06F 34/32** (2020.01); **D06F 58/30** (2020.01); **F24C 7/08** (2006.01); **F25D 29/00** (2006.01)

CPC (source: CN EP US)  
**A47L 9/28** (2013.01 - CN); **A47L 15/4293** (2013.01 - CN); **D06F 33/00** (2013.01 - CN); **D06F 34/32** (2020.02 - CN EP US); **D06F 58/30** (2020.02 - CN); **D06F 71/32** (2013.01 - CN); **F24C 7/081** (2013.01 - CN); **F24C 7/082** (2013.01 - EP); **F25D 23/06** (2013.01 - CN); **F25D 29/00** (2013.01 - CN EP US); **F25D 29/005** (2013.01 - CN); **D06F 34/28** (2020.02 - CN); **D06F 2101/00** (2020.02 - CN EP US); **D06F 2103/00** (2020.02 - CN EP US); **D06F 2105/58** (2020.02 - CN EP US); **F25D 2400/361** (2013.01 - EP)

Cited by  
CN117269658A; EP3757274A1; EP3757271A1; EP4040047A4; EP4201294A1; BE1030060B1

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)  
**EP 3543390 A1 20190925**; **EP 3543390 B1 20200617**; CN 110285641 A 20190927; CN 110285641 B 20210914; ES 2818051 T3 20210409; IT 201800003723 A1 20190919

DOCDB simple family (application)  
**EP 19163751 A 20190319**; CN 201910209953 A 20190319; ES 19163751 T 20190319; IT 201800003723 A 20180319