

Title (en)
DRYER AND DRYING METHOD THEREOF

Title (de)
TROCKNER UND TROCKNUNGSVERFAHREN DAFÜR

Title (fr)
SÉCHOIR ET SON PROCÉDÉ DE SÉCHAGE

Publication
EP 3746594 A4 20210414 (EN)

Application
EP 19821521 A 20190619

Priority
• KR 20180071104 A 20180620
• KR 2019007397 W 20190619

Abstract (en)
[origin: US2019390395A1] A dryer includes a drum receiving an object to be dried, a first sensor configured to sense a dry state of the object to be dried contained in the drum, a heater configured to heat air supplied into the drum, a blower including a fan forming a flow of air passing through the inside of the drum, a second sensor configured to sense a temperature of air discharged from the drum, and a processor configured to control, when a user input selecting a specific course is received, the drum, the heater, and the blower to perform a dry cycle, to control a rotation direction of the drum on the basis of a dry state of the dry object sensed by the first sensor when the dry cycle is started, and to control termination of the dry cycle on the basis of the temperature of air sensed by the second sensor.

IPC 8 full level
D06F 58/38 (2020.01); **D06F 101/20** (2020.01); **D06F 103/08** (2020.01); **D06F 103/32** (2020.01); **D06F 103/34** (2020.01); **D06F 103/38** (2020.01); **D06F 105/26** (2020.01); **D06F 105/28** (2020.01); **D06F 105/30** (2020.01); **D06F 105/46** (2020.01); **D06F 105/52** (2020.01); **D06F 105/62** (2020.01)

CPC (source: EP KR US)
D06F 58/38 (2020.02 - EP KR US); **D06F 58/08** (2013.01 - EP KR US); **D06F 58/26** (2013.01 - EP KR US); **D06F 2101/20** (2020.02 - EP KR US); **D06F 2103/08** (2020.02 - EP KR US); **D06F 2103/32** (2020.02 - EP KR US); **D06F 2103/34** (2020.02 - EP KR US); **D06F 2103/38** (2020.02 - EP KR US); **D06F 2103/44** (2020.02 - US); **D06F 2105/26** (2020.02 - EP KR US); **D06F 2105/28** (2020.02 - EP KR US); **D06F 2105/30** (2020.02 - EP KR US); **D06F 2105/46** (2020.02 - EP KR US); **D06F 2105/52** (2020.02 - EP KR US); **D06F 2105/62** (2020.02 - EP KR US)

Citation (search report)
• [X1] KR 20160069891 A 20160617 - LG ELECTRONICS INC [KR]
• [X1] US 2016160431 A1 20160609 - LEE SUNKI [KR], et al
• [A] US 2007251119 A1 20071101 - KIM JAE S [KR], et al
• See references of WO 2019245282A1

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)
US 2019390395 A1 20191226; EP 3746594 A1 20201209; EP 3746594 A4 20210414; EP 3746594 B1 20230524; KR 102615527 B1 20231219; KR 20190143317 A 20191230; WO 2019245282 A1 20191226

DOCDB simple family (application)
US 201916446219 A 20190619; EP 19821521 A 20190619; KR 20180071104 A 20180620; KR 2019007397 W 20190619