

Title (en)

Set having a first dryer and a second dryer

Title (de)

Satz mit einem ersten und einem zweiten Trockner

Title (fr)

Ensemble disposant d'un premier séchoir et d'un deuxième séchoir

Publication

EP 2157230 A1 20100224 (EN)

Application

EP 09167353 A 20090806

Priority

- EP 08105098 A 20080822
- EP 09167353 A 20090806

Abstract (en)

The invention relates to a set having a first dryer 11 and a second dryer 31 for concurrent series production. Each dryer 11,31 comprises a respective housing 12,32 enclosing a respective interior 13,33. Each housing 12,32 comprises a respective front wall 14,34 and a respective back wall 15,35, a respective drying chamber 16,36 disposed within said housing 12,32, and a respective process air guide 17,37 for guiding process air through said respective drying chamber 16,36 for drying articles 18,38 disposed therein. Each process air guide 17,37 comprises a respective back channel 19,39 disposed on said respective back wall 15,35 outside said respective interior 13,33, each back channel 19,39 projecting into said respective interior 13,33 through a respective first hole 20,40 and a respective second hole 21,41 in said back wall 15,35. Each first hole 20,40 is placed below each respective second hole 21,41 with respect to a respective vertical axis 22,42. Each process air guide 17,37 is configured for guiding the process air through each respective back channel 19,39 from said respective first hole 20,40 to said respective second hole 21,41, and from said respective second hole 21,41 into said respective drying chamber 16,36. In said first dryer 11, said respective process air guide 17,37 comprises an air-to-air heat exchanger 1 disposed within said respective housing 12, and an electric heater 2 disposed within said respective back channel 19. In said second dryer 31, said respective process air guide 17,37 comprises a heat sink 3 and a heat source 4, said heat sink 3 and said heat source 4 belonging to a heat pump 3,4,5,6,7,9 disposed within said respective housing 32. In said first dryer 11, said respective second hole 21 is a single passage for said respective back channel 19 to project into said respective interior 13. In said second dryer 31, said respective back wall 35 has at least one third hole 8, with said respective back channel 39 projecting into said respective interior 33 through said at least one third hole 8 and said respective second hole 41 in parallel, and with said respective process air guide 37 being configured for guiding the process air from said respective first hole 40 to said respective second hole 41 and said at least one third hole 8.

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/20 (2013.01 - EP US)

Citation (applicant)

- WO 2007118742 A1 20071025 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- WO 2008080831 A1 20080710 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- EP 0163265 A2 19851204 - MIELE & CIE

Citation (search report)

- [Y] EP 0163265 A2 19851204 - MIELE & CIE
- [YA] DE 102006017068 A1 20071018 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] EP 0503586 A1 19920916 - ZANUSSI ELETTRODOMESTICI [IT]
- [A] FR 2911180 A1 20080711 - BRUN PIERRE [FR]

Cited by

DE102015216437A1; EP3138951A1; DE102015217064A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2157229 A1 20100224; EP 2157230 A1 20100224; EP 2157230 B1 20161214; PL 2157230 T3 20170630

DOCDB simple family (application)

EP 08105098 A 20080822; EP 09167353 A 20090806; PL 09167353 T 20090806