

Title (en)
HEAT TREATMENT FURNACE

Title (de)
WÄRMEBEHANDLUNGSOFEN

Title (fr)
FOUR DE TRAITEMENT THERMIQUE

Publication
EP 3896375 A4 20211201 (EN)

Application
EP 20774866 A 20200217

Priority
JP 2020006127 W 20200217

Abstract (en)
[origin: EP3896375A1] The description herein discloses a heat treatment furnace that performs heat treatment efficiently on a treatment-target object conveyed on a conveying path defined by a plurality of guide rollers. This heat treatment furnace includes a furnace body, a conveyor device configured to convey a treatment-target object from a conveying inlet to a conveying outlet through a treatment chamber, a plurality of guide rollers disposed in the treatment chamber, and a heating device disposed in the treatment chamber and configured to heat the treatment-target object. The heating device includes first heaters, each of which is disposed inside and/or near its corresponding one of the plurality of guide rollers and configured to heat the treatment-target object. The heating device further includes second heaters each disposed on the conveying path of the treatment-target object near an intermediate position between its corresponding guide rollers that are adjacent in a conveying direction and configured to heat the treatment-target object. The second heaters are each a heater configured to emit electromagnetic waves in an infrared region.

IPC 8 full level
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Citation (search report)

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Designated contracting state (EPC)
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