

Title (en)
HEAT TREATMENT DEVICE

Title (de)
VORRICHTUNG ZUR WÄRMEBEHANDLUNG

Title (fr)
DISPOSITIF DE TRAITEMENT THERMIQUE

Publication
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Application
EP 13702328 A 20130112

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Abstract (en)
[origin: WO2013120571A1] Known heat treatment devices comprise a process chamber surrounded by furnace cladding made of silica glass, a heating assembly and a reflector. According to the invention, in order to provide, based on said known devices, a heat treatment device having a furnace cladding, which can be manufactured simply and in variable forms, allows quick heating and cooling of the material to be heated and short process times, and is characterized by a long service life, the furnace cladding comprises several wall elements having a side that faces the process chamber and a side that faces away from the process chamber, and at least one of the wall elements is provided with several silica glass tubes, which are connected to one another by way of a bonding mass containing SiO₂.

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Citation (search report)
See references of WO 2013120571A1

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