

Title (en)  
FURNACE, AND METHOD FOR TREATING MATERIAL

Title (de)  
OFEN UND VERFAHREN ZUR BEHANDLUNG VON MATERIAL

Title (fr)  
FOUR ET PROCÉDÉ POUR LE TRAITEMENT DE MATÉRIAU

Publication  
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Application  
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Abstract (en)  
[origin: WO2019073053A1] The invention relates to a furnace for the treatment of material, in particular for the oxidative treatment of fiber material, in particular for producing carbon fibers, comprising a housing (12) having a housing inner space (14), which is gas-tight with the exception of passage areas (18, 20) for the fibers (22). In the housing inner space (14) of the housing (12), a process chamber (28) is located. A hot working atmosphere (40) can be generated by means of an atmosphere device (42). The atmosphere device (42) comprises a flow system (46) having flow channels (48), which are arranged in the housing inner space (14) each defining one flow chamber (50), and are provided with flow passages such that the respective flow chambers (50) are fluidically connected to the process chamber (28) in such a way that hot working atmosphere (40) can be delivered to the process chamber (28) in at least one main flow direction (44) and can be discharged from the process chamber (28). A revision system (72) is provided, through which flow chambers (50) of flow channels (48) are accessible through the housing (12).

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