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[Continued on next page]

(54) Title: A MICROWAVE FURNACE AND A METHOD OF SINTERING

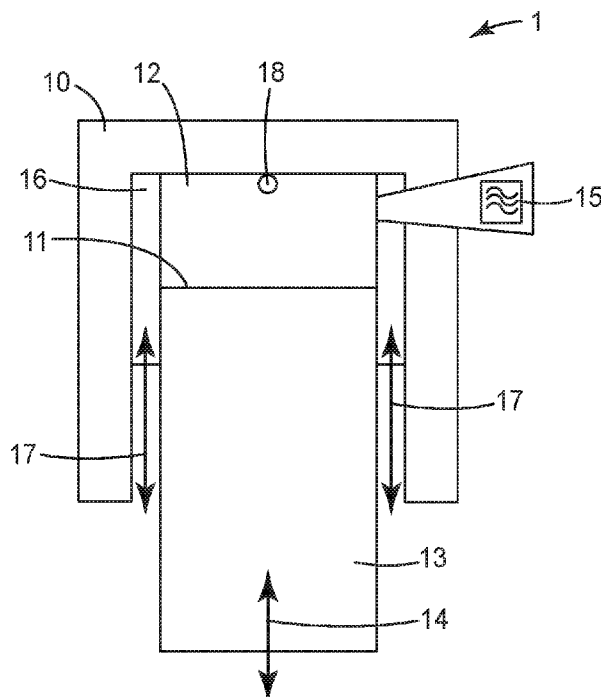


FIG. 1

(57) Abstract: A microwave furnace has a furnace chamber formed between a chamber housing and a sintering platform for an object to be sintered. A microwave source is arranged for emitting microwaves into the furnace chamber. The microwave furnace further has a susceptor that comprises a material which over a temperature range of the material of at least 23C to 700C couples into microwaves. The susceptor and the furnace chamber are movable relative to each other between a first position, in which the susceptor is positioned relative to the furnace chamber, and a second position in which the susceptor is positioned further retracted from the furnace chamber relative to the first position. The invention helps providing a zirconia material with a relative homogeneous material structure.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER

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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F27B F27D A61C H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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	- / - -	



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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