

Title (en)

HEATING ELEMENT FOR A DENTAL CERAMIC FURNACE AND DENTAL SINTERING FURNACE

Title (de)

HEIZELEMENT FÜR EINEN DENTAL-KERAMIK BRENNOFEN SOWIE DENTAL-SINTER BRENNOFEN

Title (fr)

ÉLÉMENT CHAUFFANT POUR UN FOUR DENTAIRE EN CÉRAMIQUE, AINSI QUE FOUR DENTAIRE DE FRITTAGE

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Application

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Priority

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Abstract (en)

[origin: US2020129276A1] Disclosed is a heating element for a dental furnace including a tube element for accommodating a heating coil inside the tube element. At least one closing element may be connected to at least one open end of the tube element, wherein electrical connectors may be led through the closing element and fused with the element. The tube element may be made from a ceramic material, such as oxide ceramics, that may be connected to the connector via a plurality of intermediate glasses/transition glasses and glass solder to compensate for different heat expansion coefficients such that up to 500° C. gas escaping from the tube element may not enter due to a thermal action, providing that operational safety of the heating element is ensured. Further, disclosed is a dental furnace including such a heating element.

IPC 8 full level

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