

Title (en)

System of support or sustentation of electric heating elements in furnaces or equipment, insulated with ceramic fiber.

Title (de)

Halteanlage oder Abstützung für elektrische Heizelemente in Öfen oder Einrichtungen, die mit keramischen Fasern isoliert sind.

Title (fr)

Support ou dispositif pour la sustentation de résistances électriques dans des fours ou des équipements garnis de fibres céramiques.

Publication

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Application

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Priority

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Abstract (en)

This invention relates to a device of support or sustentation of electric heating elements in furnaces and equipment insulated with ceramic fiber which is fundamentally characterized by being consisted of a structural material which is non-conductive to electricity in the form of pieces of complex construction and consisting of part of a free end in the form of a hook (1) and a part on the opposite end in the form of a wedge (2) to be anchored in the insulating lining or module or ceramic fiber (10) with the aid of a coupling piece whose hooks (1) cooperate for placing and/or holding the heating elements of the electric resistance (11) in the form of special spiralled or helicoidal wires, or of tape.

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IPC 8 full level

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F27D 1/0013 (2013.01); **F27D 1/0036** (2013.01); **H05B 3/66** (2013.01)

Citation (search report)

- US 4272638 A 19810609 - CIMOCHOWSKI ANTHONY E
- US 4156792 A 19790529 - MCFADDEN CHARLES A [US], et al
- US 4088825 A 19780509 - CARR VICTOR H
- FR 72822 E 19600722 - HEURTEY & CIE
- FR 655944 A 19290425 - THOMSON HOUSTON COMP FRANCAISE
- FR 1078639 A 19541119 - HEURTEY & CIE
- FR 2404819 A1 19790427 - ROISSAC ANDRE [FR]

Cited by

EP0195765A3; DE3807721A1; GB2288524A; DE3816420A1; DE3623377A1; EP4230940A1; WO2007118650A1; WO2023156418A1

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