

Title (en)
DEVICE FOR PRODUCING HOT WATER

Title (de)
VORRICHTUNG ZUR BEREITUNG VON HEISSWASSER

Title (fr)
DISPOSITIF DE PRODUCTION D'EAU CHAUDE

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Application
EP 98939725 A 19980721

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Abstract (en)
[origin: FR2766558A1] The invention concerns a device for producing hot water comprising at least a burner (13) arranged to produce a rapid combustion inside the combustion chamber. The combustion chamber is formed by a sealed container (14) delimiting an internal volume separated from the water so as to allow a dry combustion. Said container (14) is immersed in a water section (12) and is extended by at least a smoke gas diffuser (15) diffusing the smoke gases above the water section within a mass of water showered by spraying means (10). A layer of nodules (11) can be interposed on the path of the smoke gases and the sprayed water so as to increase the thermal exchange generated, by direct contact between the smoke gases and the water spray, and by conduction between the container (14) and the water section (12). The invention enables to achieve excellent thermal efficiency levels while producing smoke gases with a reduced CO ratio.

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