

Title (en)
HEAT EXCHANGER AND DEVICE PRODUCING DOMESTIC HOT WATER

Title (de)
WÄRMETAUSCHER UND BRAUCHWASSERERHITZER

Title (fr)
ECHANGEUR DE CHALEUR ET DISPOSITIF DE PRODUCTION D EAU CHAUD E SANITAIRE

Publication
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Application
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• FR 0215005 A 20021129

Abstract (en)
[origin: WO2004051147A1] The invention concerns a heat exchanger and a device for producing domestic hot water, comprising a chamber (5) wherein is installed said exchanger. Said device is characterized in that the exchanger comprises a coil (69) with good heat conduction helically wound, wherein the domestic water to be heated is designed to circulate, each turn (62) of the coil (69) having radial surfaces (620) which are spaced apart from the radial surfaces (620) of the turn (62) adjacent to an interstice (L) calibrated by means of a projecting helical element (64) with pitch identical to that of the coil (69), arranged between the radial surfaces (620) opposite the turns (62), said coil (69) being maintained between two coaxial cylindrical ferrules (65, 66) assembled together at their ends through two helical flanges (67, 67'), said primary fluid flowing counter-current to the domestic water, between the turns (62) of said coil (69), on either side of said projecting element (64), between said ferrules (65, 66).

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