

Title (en)

MANUFACTURING DEVICE FOR HEATING TUBE WITH INTERNAL GROOVES AND FIN ROLLING ROLL

Title (de)

HERSTELLUNGSVORRICHTUNG ZUM ERWÄRMEN VON ROHREN MIT INNEREN NUTEN UND ROHRWALZE

Title (fr)

APPAREIL DE FABRICATION DE TUBES DE CHAUFFAGE A RAINURES INTERIEURES ET CYLINDRE DE LAMINAGE D'AILETTES

Publication

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Application

EP 00942365 A 20000628

Priority

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Abstract (en)

An apparatus for manufacturing a grooved-inner-surface heat transfer tube comprises; a fin roll 24 and a receiving roll 26 for rolling W-shaped fins 2 by clamping a metallic plate material T and rolling, a plurality of forming rolls 30 for forming the plate material formed with the fins 2 into a tube such that the fins 2 are positioned on the inside, and a welding mechanism 32, 34 and 36 for heating opposite edges of the plate material which has been formed into a tube and abuts together and welds. The fin roll 24 comprises a plurality of coaxially arranged divided rolls 24B to 24E with fin rolling grooves 25 formed in an outer peripheral surface, and these divided rolls are diffusion bonded to each other. <IMAGE>

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