

Title (en)  
IN-BED HEAT TRANSFER TUBE FOR FLUIDIZED BED BOILER

Title (de)  
BETTINTERNES WÄRMEÜBERTRAGUNGSROHR FÜR WIRBELBETTKESSEL

Title (fr)  
TUBE DE TRANSFERT DE CHALEUR NOYÉ DANS LE LIT POUR CHAUDIÈRE À LIT FLUIDISÉ

Publication  
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Application  
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Abstract (en)  
The present invention relates to an immersed heat transfer tube installed in a fluidized bed of a fluidized-bed boiler for recovering combustion heat generated when a fuel such as RDF (refuse derived fuel) with high calorific value containing biomass and plastics, or wastes is combusted. An immersed heat transfer tube (5) which is installed in a fluidized bed (3) of a fluidized-bed boiler (1) includes a water tube (6) through which a fluid flows, a cylindrical protector (8) provided at an outer circumferential side of the water tube (6) and configured to protect the water tube (6), and a packed bed (7) provided between the water tube (6) and the protector (8).

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