

Title (en)
REHEAT BOILER

Title (de)
WIEDERERWÄRMUNGSKESSEL

Title (fr)
CHAUDIÈRE DE RÉCHAUFFE

Publication
EP 2325560 A1 20110525 (EN)

Application
EP 09814438 A 20090826

Priority
• JP 2009064880 W 20090826
• JP 2008237711 A 20080917

Abstract (en)
Provided is a reheat boiler in which the imbalance in temperature distribution of the temperature of the combustion gas at the outlet of a reheat furnace is reduced by changing the gas flow pattern in the reheat burner. A reheat boiler (10A) includes a main boiler (106) configured such that main combustion gas generated in combustion in a burner (101) flows from a furnace (102) through a superheater (104) and evaporator tubes (105), a reheat furnace (108) that is disposed on the downstream of the evaporator tubes (105) and produces reheat combustion gas by combustion in a reheat burner (107), and a reheater (109) disposed above the reheat furnace (108). A closing plate (130), serving as a drift preventing portion, is provided at a reheat furnace outlet (120) that connects the reheat furnace (108) and the reheater (109) to form a flow path for the combustion gas and the reheat combustion gas so as to narrow the cross-sectional area of the flow path for the combustion gas.

IPC 8 full level
F22B 37/40 (2006.01); **F22G 1/04** (2006.01); **F22G 1/16** (2006.01)

CPC (source: EP KR US)
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