

Title (en)
FIREPLACE BOILER

Title (de)
KAMINHEIZKESSEL

Title (fr)
CHAUDIÈRE-CHEMINÉE

Publication
EP 3096084 A1 20161123 (EN)

Application
EP 14877083 A 20141216

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• KR 2014012376 W 20141216

Abstract (en)
The present invention provides a regenerative fireplace boiler that includes: a main furnace (10) disposed at an outdoor side; an indoor port (20) disposed at an indoor side; hot water circulation pipe (30) disposed over a first combustion chamber (12) of the main combustion chamber (10); a hot air circulation pipe (40) having hot air outlets (41) disposed through an upper portion of a front side of the indoor port (20) and hot air inlets (41) disposed through a lower portion of the front side of the indoor port (20), connecting the hot air outlets (41) and the hot air inlets (42) being connected, and being positioned through the first combustion chamber (12) and the second combustion chamber (13); a cleaning socket (51) disposed at an upper portion of a rear side of the main combustion chamber (10) and an outdoor port (50) disposed at a lower portion of the rear side of the main combustion chamber (10); a damper (62) disposed on a rotary shaft (61) in the stove pipe 14 of the main combustion chamber (10), supporting rods (63) fixed to a side of the main combustion chamber (10), connection bars (64) supported by the supporting rods (63), with a first end connected to a side of the damper (62), and a damper adjuster (60) connected to the connection bars (64) in order to move up and down the damper (62) when the connection bars (64) are pulled; and an air intake port (71) for sucking exterior air disposed outside the main combustion chamber (10), an air intake line (72) extending from the air intake port (71), an air exit port (73) disposed in the indoor port (20) to supply exterior air flowing inside through the air intake line (72) to the first combustion chamber (12), and an ash shield (70) covering the air exit port (73) to block ashes.

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Cited by
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