

Title (en)
Furnace unit and seal ring

Title (de)
Ofenaggregat und Schliessring

Title (fr)
Four et joint annulaire

Publication
EP 1684010 A1 20060726 (DE)

Application
EP 04031007 A 20041230

Priority
EP 04031007 A 20041230

Abstract (en)
The furnace unit has furnace (1), a heat recovery boiler (2) and a self-locking collar (3). The furnace has an exhaust gas outlet opening (5) with furnace flange (6) circulating over periphery of the exhaust gas opening. The heat recovery boiler has an exhaust gas entrance opening (7) with opening wall (8) circulating above the periphery of the exhaust gas entrance opening. The self-locking collar is movable at the opening wall and can be pressed with a sealing section (10) against the furnace flange such that a gap (4) existing between furnace flange and opening wall is sealed. An inner section (11) of the self-locking collar is closed on the sealing section whereby the inner section extends into the exhaust gas entrance opening. An independent claim is also included for the self-locking collar.

IPC 8 full level
F22B 1/18 (2006.01); **F01D 25/30** (2006.01); **F23J 3/04** (2006.01)

CPC (source: EP)
F22B 1/183 (2013.01); **F23G 2203/212** (2013.01)

Citation (search report)

- [A] GB 1477262 A 19770622 - WURTH ANCIENS ETS PAUL
- [A] US 5378016 A 19950103 - VOLLMER WOLFGANG [DE], et al
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- [A] "BENEFIT FROM USER EXPERIENCE WITH NONMETALLIC DUCT JOINTS", POWER, HILL PUB. CO., NEW YORK, NY, US, vol. 136, no. 8, 1 August 1992 (1992-08-01), pages 37 - 38,40, XP000293369, ISSN: 0032-5929

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