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(71) Applicant: **BABCOCK & WILCOX VØLUND A/S**
[DK/DK]; Falkevej 2, 6705 Esbjerg Ø (DK).

(72) Inventors: **ANDERSEN, Hans Bøgh**; c/o Babcock & Wilcox Vølund A/S, Falkevej 2, 6705 Esbjerg Ø (DK).
BØGILD, Morten Ryge; c/o Babcock & Wilcox Vølund A/S, Falkevej 2, 6705 Esbjerg Ø (DK). **NORMAN, Thomas Schaldemose**; c/o Babcock & Wilcox Vølund A/S, Falkevej 2, 6705 Esbjerg Ø (DK).

(74) Agent: **GUARDIAN IP CONSULTING I/S**; Diplomvej, Building 381, 2800 Kgs. Lyngby (DK).

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(54) Title: **PLATE-FORMED GRATE ELEMENT FOR A MOVABLE GRATE OF A FURNACE**

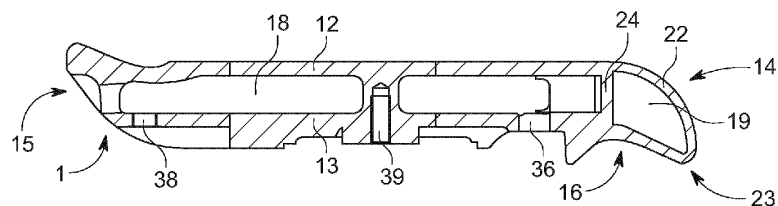


FIG. 5

(57) Abstract: The plate-formed grate element (1, 2) has a top wall (12), a bottom wall (13), a front end (14) and a back end (15). The front end has a lower inwardly curved wall portion (16) adapted to maintain a predetermined clearance with a back tip edge of a corresponding grate element. An internal cooling fluid chamber (18) includes an internal front cooling fluid channel (19) extending along the front end (14) of the grate element. The grate element has an outwardly curved front wall (22) having a nominal wall thickness varying by less than ± 35 per cent and extending from the top wall of the grate element to the lower inwardly curved wall portion of the front end, and a front tip edge (23) of the front end is formed by the outwardly curved front wall at its connection with the lower inwardly curved wall portion.



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