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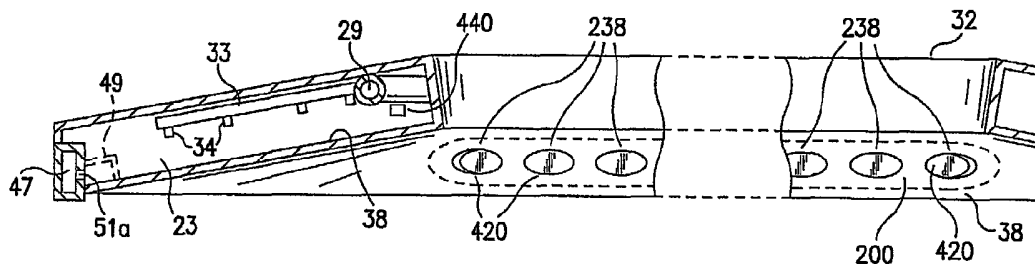
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(54) Title: DEVICE FOR IMPROVED SLAG RETENTION IN WATER COOLED FURNACE ELEMENTS



(57) Abstract: Slag retention means for protecting a water-cooled furnace element by means of an elongate metal member (425) which extends from inside the furnace, through the furnace wall and into the cooling water of the furnace element so that the insert (425) can be continuously cooled and collected and retain a protective mass of slag.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/12932

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : F 27 D 1/00

US CL : 373/71

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 373/71-77; 266/190-193, 241, 480, 286

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 162 061 A (BUHLER et al.) 24 July 1979, see entire document.	1-11
A	US 4 437 651 A (CORDIER et al.) 20 March 1984, see entire document.	1-11
A	US 6 330 269 B1 (MANASEK et al.) 11 December 2001, see entire document.	1-11

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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