



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 793 058 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.01.1999 Bulletin 1999/02

(51) Int. Cl.⁶: **F23D 14/46**, F23D 14/64

(43) Date of publication A2:
03.09.1997 Bulletin 1997/36

(21) Application number: **97103204.0**

(22) Date of filing: **27.02.1997**

(84) Designated Contracting States:
DE ES FR GB IT NL SE

(30) Priority: **01.03.1996 US 609203**

(71) Applicant: **EATON CORPORATION**
Cleveland, Ohio 44114-2584 (US)

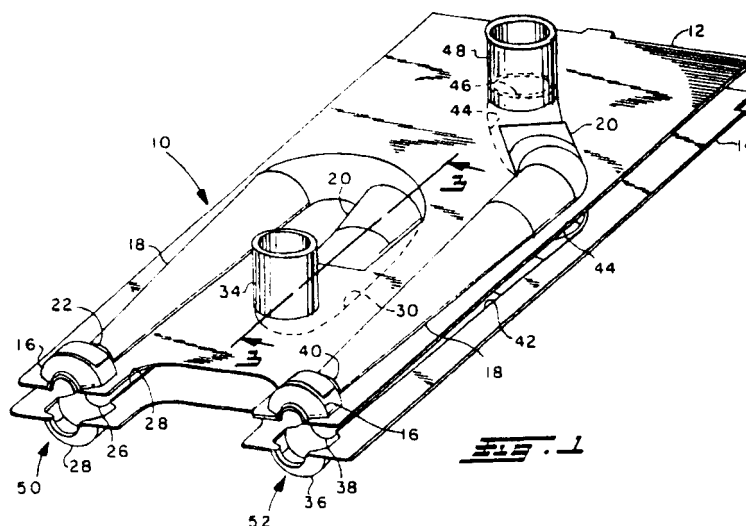
(72) Inventor: **Kwiatek, David Joseph**
LaGrange, Illinois 60525 (US)

(74) Representative:
Patentanwälte
Rüger, Barthelt & Abel
Postfach 348
73704 Esslingen a.N. (DE)

(54) **Mixer tube assembly for fuel gas burner**

(57) A fuel/air mixture tube assembly (10) for interconnecting a range top burner with a fuel gas manifold. The tube is preferably formed by stamping half shells (12,14) from thin sheet metal and joining the half shells to form a tube having an inlet (16) for connection to the manifold and an outlet (20) for connection to the burner

inlet. An inlet flap or door (54) is integrally stamped in the half shells adjacent the inlet end. After assembly the flap or door may be mechanically deformed to vary the air inlet opening.



EP 0 793 058 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 10 3204

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	GB 808 323 A (PARKINSON & COWAN LTD) 4 February 1959 * page 1, line 72 - page 2, line 9; figures 1-3 *	1-15	F23D14/46 F23D14/64
Y	US 5 163 830 A (PFEFFERKORN EARLE L) 17 November 1992 * column 6, line 29 - line 51; figures 5-10 *	1-15	
A	GB 2 191 853 A (ULGOR S COOP) 23 December 1987 * the whole document *	1-15	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F23D F24C F23C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 November 1998	Examiner Coli, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 82 (P04C01)