

Title (en)
COMBUSTION WICK OF LIQUID FUEL COMBUSTOR

Title (de)
DOCHT FÜR EINE MIT FLÜSSIGEM BRENNSTOFF BETRIEBENE VERBRENNUNGSVORRICHTUNG

Title (fr)
MECHE DE COMBUSTION D'UNE CHAMBRE DE COMBUSTION DE COMBUSTIBLE LIQUIDE

Publication
EP 0978686 A4 20010411 (EN)

Application
EP 99900677 A 19990126

Priority
• JP 9900298 W 19990126
• JP 1262098 A 19980126
• JP 7024798 A 19980319

Abstract (en)
[origin: EP0978686A1] As regards drawing up liquid fuel by a wick and burning it at the tip, in order to match the flame to the needs of the burner by making it thin and long, the wick (6) for drawing up liquid fuel by a draw-up section (62) utilizing capillarity and burning it at a tip flame-producing section (61) is constituted of a porous material and at least a side surface not including the upper end surface (6a) of the flame-producing section (61) is provided with a skin layer (8) for suppressing volatilization of the liquid fuel. <IMAGE>

IPC 1-7
F23D 3/08; **F23D 3/40**; **F23Q 2/44**

IPC 8 full level
F21V 37/00 (2006.01); **F23D 3/02** (2006.01); **F23D 3/08** (2006.01); **F23D 3/18** (2006.01); **F23D 3/40** (2006.01); **F23Q 2/44** (2006.01)

CPC (source: EP KR)
F21V 37/002 (2013.01 - EP); **F23D 3/08** (2013.01 - EP KR); **F23D 3/18** (2013.01 - EP); **F23D 3/40** (2013.01 - EP); **F23Q 2/44** (2013.01 - EP)

Citation (search report)
• [A] DE 4327437 A1 19950216 - JUNG HELMUT [DE]
• [A] US 4569656 A 19860211 - SHIMIZU HIDEHARU [JP], et al
• [X] PATENT ABSTRACTS OF JAPAN vol. 004, no. 116 (M - 027) 19 August 1980 (1980-08-19)
• See references of WO 9937953A1

Cited by
DE102005023970A1; US2017153026A1; US10544935B2; US9353942B2; WO2004001293A1; WO2007032667A1; WO2009071100A1

Designated contracting state (EPC)
DE DK ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0978686 A1 20000209; **EP 0978686 A4 20010411**; **EP 0978686 B1 20040407**; CN 1125264 C 20031022; CN 1258343 A 20000628; DE 69916187 D1 20040513; DE 69916187 T2 20040826; ES 2215373 T3 20041001; ID 22694 A 19991209; JP 3628512 B2 20050316; JP H11270847 A 19991005; KR 20010005639 A 20010115; WO 9937953 A1 19990729

DOCDB simple family (application)
EP 99900677 A 19990126; CN 99800300 A 19990126; DE 69916187 T 19990126; ES 99900677 T 19990126; ID 991111 A 19990126; JP 7024798 A 19980319; JP 9900298 W 19990126; KR 19997008706 A 19990922