

(12) UK Patent Application (19) GB (11) 2 329 856 (13) A

(43) Date of Printing by UK Office 07.04.1999

(21) Application No 9827858.3

(22) Date of Filing 19.06.1997

(30) Priority Data

(31) 9610112-6 (32) 20.06.1996 (33) SG

(86) International Application Data

PCT/SG97/00028 En 19.06.1997

(87) International Publication Data

WO97/48475 En 24.12.1997

(71) Applicant(s)

Boon Pen Chua
BLK 341, 7 Hougang Ave #12-459, Singapore 530341,
Singapore

(72) Inventor(s)

Boon Pen Chua

(74) Agent and/or Address for Service

J A Kemp & Co.
14 South Square, Gray's Inn, LONDON, WC1R 5LX,
United Kingdom

(51) INT CL⁶

B01D 51/00 53/00, B65G 53/14, F23J 15/00, F24C
15/20, F24F 3/16

(52) UK CL (Edition Q.)

B1T TNRU TPAD
B8A A3AA
U1S S1975

(56) Documents Cited by ISA

EP 0567956 A EP 0294006 A WO 81/01362 A
US 5518446 A US 4373897 A US 4185466 A

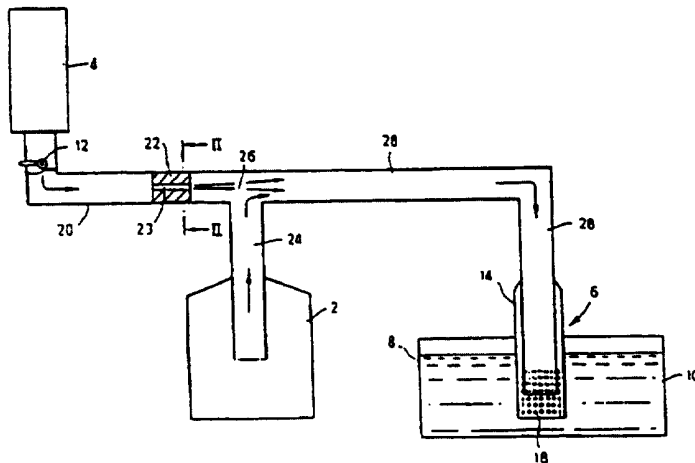
(58) Field of Search by ISA

INT CL⁶ A47L, B01D, F23J, F23N, F24F
WPI

(54) Abstract Title

Fluid extraction apparatus

(57) A fluid extraction apparatus comprises a passage (20) for the pumped flow therealong of a first fluid, for example air. A fluid flow area control device in the form of an apertured plug (22) is present in the passage. An inlet (26) to the passage (20) is provided at or downstream of the downstream side of the plug (22). When, in use, the first fluid is pumped along the passage through the aperture (23) of the plug (22) the fluid pressure at the inlet (26) is reduced causing a second fluid to be drawn into the passage (20) via the inlet (26) to flow with the first fluid towards the downstream end of the passage (20). The downstream end of the passage may be provided with a filter (6) in the form of a tank (8) containing an oil dissolving agent (10). The apparatus has a particular application to a cooker hood assembly for extracting a gas from a cooker hood (2), without having to pass the gas through a pump (4), and then treating the extracted gas to remove pollutants such as water, oil droplets and smoke therefrom.



GB 2 329 856 A