

Title (en)  
ACETYLENE STOVE OR HEATER

Publication  
**EP 0093581 A3 19840328 (EN)**

Application  
**EP 83302404 A 19830428**

Priority  
• ZW 8982 A 19820503  
• ZW 23482 A 19821101

Abstract (en)  
[origin: EP0093581A2] A stove or heater in which acetylene is used for heating purposes comprises a vessel (1) containing calcium carbide (2) to which water is supplied via a conduit (3), whereby the water and calcium carbide react to form acetylene. The acetylene passes through a jet (8) and a mixture tube (11), and burns at the outlet holes (13) of a rose (12). Some of the burnt gas produced is sucked back into the mixture tube (11) via a return tube (14). The extent to which burnt gas is sucked back into the mixture tube (11) is controlled by a threaded control valve (10), which control valve (10) also controls the extent to which air enters the mixture tube (11) via an air inlet (9). Thus, the valve (10) is a temperature control device.

IPC 1-7  
**F24C 3/08**; **F24C 3/14**

IPC 8 full level  
**F24C 3/08** (2006.01); **F24C 3/14** (2006.01)

CPC (source: EP US)  
**F24C 3/085** (2013.01 - EP); **F24C 3/14** (2013.01 - EP US)

Citation (search report)  
• [A] DE 2758970 A1 19790705 - CEAG LICHT & STROM  
• [A] DE 1103542 B 19610330 - IADESSINS ETUDES OUTIL MECANIQ  
• [A] AU 514837 B2 19810226 - COLEMAN CO  
• [A] DE 1245080 B 19670720 - CIE GENERALE DES GAZ LIQUEFIES  
• [A] DE 226027 C

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0093581 A2 19831109**; **EP 0093581 A3 19840328**; GB 2119923 A 19831123; GB 8311692 D0 19830602

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