

Title (en)
A CONTROL CIRCUIT FOR A HEATING UNIT

Publication
EP 0223503 B1 19920513 (EN)

Application
EP 86308615 A 19861105

Priority
GB 8527683 A 19851109

Abstract (en)
[origin: EP0223503A1] A control circuit, for a heating unit including two or three lamps (11,12,13) emissive of infra-red radiation, includes a microprocessor (20) for selectively effecting phase and burst-fire control of power supplied to the lamps (11,12,13), to generate a desired heat output set by user-operable controls (21). The circuit also includes switching means (30) to achieve series and/or parallel arrangements of the lamps (11,12,13) to generate different power outputs. The microprocessor (20) is also arranged to provide phase control of power to the lamps (11,12,13) intermediate periods of energisation of the lamps during burst-fire control or to alternate between two different power outputs generated by series and/or parallel arrangements of the lamps (11,12,13) to achieve an average output.

IPC 1-7
F24C 15/10; H05B 3/74

IPC 8 full level
F24C 15/10 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)
F24C 15/106 (2013.01); **H05B 3/744** (2013.01)

Citation (examination)
GB 2132060 A 19840627 - THORN EMI DOMESTIC APPLIANCES

Cited by
EP0442139A3; GB2339347A; FR2679628A1; GB2336255A; GB2336255B; DE3840360A1; US5004892A; GB2246253A; GB2246253B; GB2237940A; EP0352169A1; FR2634614A1; WO2013098012A1; EP2385310B1

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