

Title (en)
Electronic timing switch for cooker

Title (de)
Elektronische Herdschaltuhr

Title (fr)
Minuterie électronique commutateur pour cuisinière

Publication
EP 1041470 A3 20040908 (DE)

Application
EP 00102096 A 20000203

Priority
DE 29902257 U 19990209

Abstract (en)
[origin: US6350966B1] An electronic cooker time switch (1) having a display panel, input elements for time data and switching times, a control circuit, a relay for automatically switching an electric load on and off, and a change-over switching device for switching over from an automatic to a manual mode, wherein there are provided a display portion (2) which has a time switch with digital display and a circuit board (15) with mains unit and control electronics, and an operating portion (3) which is arranged separately from the display portion. This modular design unit that it is possible to use different kinds of operating portions (3) with one and the same display portion (2). The operating portion (3) and the control electronics on the circuit board (15) in the display portion (2) are electrically conductively connected together by way of a flat ribbon cable (4), while data transmission between the operating portion (3) and the control electronics is effected in encoded fashion so that different operating portions can be detected by the control electronics.

IPC 1-7
G04G 15/00

IPC 8 full level
G04G 15/00 (2006.01)

CPC (source: EP US)
G04G 15/00 (2013.01 - EP US)

Citation (search report)

- [Y] US 4380698 A 19830419 - BUTTS ORVILLE R
- [Y] DE 7914483 U1 19791206
- [Y] DE 2506933 A1 19760902 - EGO REGELTECH
- [Y] GB 2120815 A 19831207 - TURNRIGHT CONTROLS
- [Y] FR 2540310 A1 19840803 - GRAESSLIN FEINWERKTECH [DE]
- [Y] US 4413252 A 19831101 - TYLER HUGH J [US], et al
- [A] DE 4229731 A1 19930415 - SEPPELFRICKE GEB GMBH [DE]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6350966 B1 20020226; AT E427522 T1 20090415; AU 1489700 A 20000810; AU 756824 B2 20030123; DE 29902257 U1 20000810; DE 50015606 D1 20090514; EP 1041470 A2 20001004; EP 1041470 A3 20040908; EP 1041470 B1 20090401; ES 2321372 T3 20090605; PL 194490 B1 20070629; PL 338166 A1 20000814

DOCDB simple family (application)
US 49265300 A 20000127; AT 00102096 T 20000203; AU 1489700 A 20000203; DE 29902257 U 19990209; DE 50015606 T 20000203; EP 00102096 A 20000203; ES 00102096 T 20000203; PL 33816600 A 20000131