

Title (en)  
FLASHER UNIT WITH SYNCHRONIZATION AND DAYLIGHT CONTROL.

Title (de)  
BLINKLICHT MIT SYNCHRONISIERUNG UND TAGESLICHTSTEUERUNG.

Title (fr)  
UNITE CLIGNOTANTE AVEC COMMANDE DE LUMIERE DU JOUR ET SYNCHRONISATION.

Publication  
**EP 0142492 A4 19851107 (EN)**

Application  
**EP 83901555 A 19830408**

Priority  
US 8300508 W 19830408

Abstract (en)  
[origin: WO8404073A1] A flasher unit for bouys, beacons and the like for flashing an incandescent lamp (24) in a required sequence of short and long flashes having short or long eclipses between flashes. A counter (40) is provided having a number of counts equal to the number of flash-eclipse pairs required. A timing pulse generator (34) is selectively controlled to produce timing pulses during each count that are temporarily spaced in accordance with the flash-eclipse time durations during each count. Certain ones of the timing pulses serve to clock the counter. Lamp control pulses are generated during each count for energizing the lamp for the preselected time duration. A sync pulse is generated at the beginning of every flash and a second pulse during the first flash in a sequence. These pulses are externally available and are communicated to other flasher units for synchronization. The unit will also synchronize to incoming sync pulses. A photocell circuit (70) inhibits flashing during daylight periods.

IPC 1-7  
**B60Q 1/26**; **G08B 5/00**; **H05B 39/00**

IPC 8 full level  
**B63B 51/00** (2006.01); **B60Q 1/14** (2006.01); **B60Q 1/38** (2006.01); **B63B 22/16** (2006.01); **G08B 5/40** (2006.01); **H05B 39/09** (2006.01)

CPC (source: EP)  
**B63B 22/166** (2013.01); **H05B 39/09** (2013.01)

Designated contracting state (EPC)  
DE FR GB NL SE

DOCDB simple family (publication)  
**WO 8404073 A1 19841025**; DE 3373074 D1 19870924; EP 0142492 A1 19850529; EP 0142492 A4 19851107; EP 0142492 B1 19870819; JP S60501133 A 19850718; NO 844929 L 19841210

DOCDB simple family (application)  
**US 8300508 W 19830408**; DE 3373074 T 19830408; EP 83901555 A 19830408; JP 50155283 A 19830408; NO 844929 A 19841210