

Title (en)
FLAG RAISING AND LOWERING DEVICE

Title (de)
VORRICHTUNG ZUM HISSEN UND EINZIEHEN EINER FLAGGE

Title (fr)
DISPOSITIF POUR HISSE ET AMENER UN DRAPEAU

Publication
EP 0848778 A1 19980624 (EN)

Application
EP 96930180 A 19960906

Priority
• FI 9600477 W 19960906
• FI 954199 A 19950908

Abstract (en)
[origin: WO9709500A1] A flag raising and lowering device (11) for raising the flag (18) up the flagpole (10) and for lowering the flag, the said device comprising a protective tube (12) for the flag and a driving motor (13). The device is an accessory separate from the actual flagpole, which device is located on the lower part of the flagpole, on its side. The accessory includes a protective tube (12) for the flag and a driving motor (13). The halyard (15) is passed at the upper end of the flagpole via the flagpole's own original sheave (17) and at the lower end of the flagpole via the sheave (14) of the protective tube and the driving motor (13), so that by moving the halyard, the flag (18) can be pulled inside and out of the protective tube.

IPC 1-7
E04H 12/32; **G09F 17/00**

IPC 8 full level
E04H 12/32 (2006.01); **G09F 17/00** (2006.01)

CPC (source: EP)
E04H 12/32 (2013.01); **G09F 17/00** (2013.01); **G09F 2017/0025** (2013.01)

Cited by
US9070309B2

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

DOCDB simple family (publication)
WO 9709500 A1 19970313; AT E266783 T1 20040515; AU 6932596 A 19970327; DE 69632467 D1 20040617; DE 69632467 T2 20050512; DK 0848778 T3 20040830; EP 0848778 A1 19980624; EP 0848778 B1 20040512; ES 2220987 T3 20041216; FI 954199 A0 19950908; PT 848778 E 20040930

DOCDB simple family (application)
FI 9600477 W 19960906; AT 96930180 T 19960906; AU 6932596 A 19960906; DE 69632467 T 19960906; DK 96930180 T 19960906; EP 96930180 A 19960906; ES 96930180 T 19960906; FI 954199 A 19950908; PT 96930180 T 19960906