

Title (en)

Actuating device for a sprinkler or the like

Title (de)

Antriebsvorrichtung für eine Beregnungsvorrichtung oder dgl.

Title (fr)

Dispositif d'entraînement pour dispositif d'arrosage ou dispositif similaire

Publication

EP 0362559 B2 19980107 (DE)

Application

EP 89116235 A 19890902

Priority

DE 3833984 A 19881006

Abstract (en)

[origin: EP0362559A2] In an actuating device (1) for a transportable sprinkler or the like, a water motor (11) has a reducing gear unit (19), whose gear or toothed wheels (41, 42, 43) are located outside the water guide in a separate gear chamber (19) and are therefore dry, the gear chamber (19), however, being integrated into the housing (12) of the water motor (11) in such a way that it is arranged adjacently next to a reversing chamber (23) which serves to guide the water, in which reversing chamber a reversing valve (22) of a reversing device (21) for the alternating reversal of the water motor (11) in both directions of rotation is accommodated. The water motor (11) is input-connected via an output pinion (44) to a carrier (5), a self-engaging overload clutch (77) being arranged in the drive connection. A bypass water guide (86) which works in a pressure-dependent manner and has simple flap valves is additionally provided between the reversing chamber (23) and a rotor chamber (26) which adjoins this axially as well as adjoining the gear chamber (20). Combined with an extremely compact design of the water motor (11) a high functional reliability is thereby produced. <IMAGE>

IPC 1-7

B05B 3/16

IPC 8 full level

B05B 3/16 (2006.01)

CPC (source: EP US)

B05B 3/044 (2013.01 - EP US)

Cited by

DE10142145A1; DE10142141A1; DE10142143A1; DE10142144A1; EP0641603A1; DE4329616A1; US5611488A; CN106824580A; WO03020432A1; WO03020431A1; US8746592B2

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