

Title (en)

WINDING DEVICE FOR A STUNT KITE, PARAGLIDER OR PARACHUTE

Title (de)

WICKELVORRICHTUNG FÜR EINEN LENKDRACHEN, GLEITSCHIRM ODER FALLSCHIRM

Title (fr)

DISPOSITIF ENROULEUR POUR CERF-VOLANT D'ACROBATIE, PARAPENTE OU PARACHUTE

Publication

EP 3802391 A1 20210414 (DE)

Application

EP 19722549 A 20190429

Priority

- DE 102018112589 A 20180525
- EP 2019060945 W 20190429

Abstract (en)

[origin: WO2019223964A1] The invention relates to a winding device (30) for winding up and unwinding lines (50) of a stunt kite, paraglider or parachute (60), having at least three reels (11) for receiving at least one line (50) of the stunt kite, paraglider or parachute (60) each. According to the invention, at least two reels (11) have a separate reel drive (14) for winding up and unwinding the line (50) received on the reel (11).

IPC 8 full level

B65H 75/44 (2006.01); **B65H 57/16** (2006.01); **B65H 75/40** (2006.01)

CPC (source: EP US)

A63H 27/002 (2013.01 - US); **B63H 8/16** (2020.02 - EP US); **B63H 8/50** (2020.02 - EP US); **B65H 75/40** (2013.01 - EP); **B65H 75/406** (2013.01 - US); **B65H 75/4402** (2013.01 - EP); **B65H 75/4439** (2013.01 - EP); **B65H 75/446** (2013.01 - EP); **B65H 75/4471** (2013.01 - EP); **B65H 75/4486** (2013.01 - EP US); **B65H 75/4471** (2013.01 - US); **B65H 2701/356** (2013.01 - EP US)

Citation (search report)

See references of WO 2019223964A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019223964 A1 20191128; DE 102018112589 A1 20191128; EP 3802391 A1 20210414; US 2021362067 A1 20211125

DOCDB simple family (application)

EP 2019060945 W 20190429; DE 102018112589 A 20180525; EP 19722549 A 20190429; US 201917058438 A 20190429