

Title (en)
SELF-LOCKING PULLEY

Title (de)
SELBSTBLOCKIERENDE RIEMENSCHIEBE

Title (fr)
POULIE AUTOBLOQUANTE

Publication
EP 3816093 A1 20210505 (FR)

Application
EP 20203453 A 20201022

Priority
FR 1912164 A 20191029

Abstract (en)
[origin: US2021122617A1] A pulley includes a securing head and a first flange. A first shaft extends from the first flange. A sheave is mounted rotatable around the first shaft in one direction of rotation only. A cam is mounted able to move away from or towards the sheave. A spring is fitted to exert a force moving the cam towards the sheave. A handle is mounted on the first flange to move the cam between the first and second positions.

Abstract (fr)
La poulie (1) comprend une tête de fixation (2) et un premier flasque (3). Un premier arbre (4) s'étend depuis le premier flasque (3). Un réa (5a) est monté rotatif autour du premier arbre (4) selon un seul sens de rotation. Une came (7) est montée mobile pour s'éloigner ou se rapprocher du réa (5a). Un ressort (8) est monté pour exercer une force déplaçant la came (7) vers le réa (5a). Une poignée (9) est montée sur premier flasque (3) pour déplacer la came (7) entre des première et deuxième positions.

IPC 8 full level
B66D 3/10 (2006.01); **A62B 1/10** (2006.01)

CPC (source: EP US)
B66D 3/046 (2013.01 - US); **B66D 3/10** (2013.01 - EP US); **A62B 1/10** (2013.01 - EP); **B66D 2700/026** (2013.01 - US)

Citation (applicant)

- US 7168687 B2 20070130 - THOMPSON ROCKE P [US]
- US 7419138 B1 20080902 - MAUTHNER KIRK M [CA]
- US 7658264 B2 20100209 - MAUTHNER KIRK MARTIN [CA]
- US 2014262611 A1 20140918 - ODDOU PAUL [US], et al

Citation (search report)

- [A] US 6189867 B1 20010220 - O'ROURKE MICHAEL J [CA], et al
- [AD] US 7419138 B1 20080902 - MAUTHNER KIRK M [CA]
- [A] FR 1444952 A 19660708 - CHARLET
- [A] US 408814 A 18890813
- [A] CN 207497957 U 20180615 - XIE YUXUAN

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PL443045A1

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)
EP 3816093 A1 20210505; EP 3816093 B1 20220907; BR 102020021490 A2 20210706; CN 215410050 U 20220104; ES 2930190 T3 20221207; FR 3102471 A1 20210430; FR 3102471 B1 20211112; US 11401138 B2 20220802; US 2021122617 A1 20210429

DOCDB simple family (application)
EP 20203453 A 20201022; BR 102020021490 A 20201020; CN 202022456315 U 20201029; ES 20203453 T 20201022; FR 1912164 A 20191029; US 202017078763 A 20201023