Title (en)

BRAKING AND LOCKING UNIT FOR A CONTROL-SIGNAL GENERATOR

Title (de)

BREMS-RASTEINHEIT FÜR KOMMANDOGEBER

Title (fr)

UNITÉ DE FREINAGE ET D'ENCLENCHEMENT POUR TRANSMETTEUR DE COMMANDE

Publication

EP 3245127 B1 20180801 (DE)

Application

EP 16707615 A 20160115

Priority

- DE 102015000192 A 20150115
- DE 2016000015 W 20160115

Abstract (en)

[origin: WO2016112893A1] The invention relates to a braking-stopping unit for the defined stopping and braking of a manually operable command issuer for ship's drives, comprising an external rotor (1, 1') with a circular opening forming a bearing ring and an inner rotor (2, 2', 2") arranged in the opening, which are arranged in a rotationally movable manner relative to each other, wherein one of the two rotor elements is statically fixed in its position and the other rotor element is designed either with a manually operable actuator or constructed so as to be connectable to such an actuator. The inner rotor (2, 2', 2") is configured with at least three spring arms (3, 3', 3", 3"', 3a, 3b) which are radially arranged in the circumferential direction and are connected thereto on one side, wherein said spring arms can be pushed into a respective recess arranged in the outer surface of the inner rotor (2, 2', 2"), at least one spring arm (3", 3a, 3b) being provided at its free end with a stopping means (5, 5a, 5b, 5a', 5b') which cooperates in a detachable and form- and force-locking manner with at least one corresponding latching recess in the running surface (6) of the bearing ring and at least two spring arms (3, 3', 3"') being arranged in each case in pairs within the rotational plane to rotate in opposition to each other and having a braking means (4, 4', 4 ") at each of their free ends. According to the invention, the spring arms (3, 3', 3", 3"', 3a, 3b) act in each case radially non-positively on the running surface (6) of the bearing ring via the braking (4, 4', 4") and stopping means (5, 5a, 5b, 5a', 5b').

IPC 8 full level

B63H 21/21 (2006.01); **G05G 9/08** (2006.01)

CPC (source: CN EP US)

B63H 21/213 (2013.01 - CN EP US); **G05G 1/08** (2013.01 - EP US); **G05G 5/06** (2013.01 - EP US); **G05G 9/08** (2013.01 - US)

Cited by

DE102012017123B4

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

DOCDB simple family (publication)

DE 102015000192 A1 20160721; **DE 102015000192 B4 20230720**; CN 107406132 A 20171128; CN 107406132 B 20190517; DK 3245127 T3 20181105; EP 3245127 A1 20171122; EP 3245127 B1 20180801; ES 2692023 T3 20181129; US 10401897 B2 20190903; US 2018329446 A1 20181115; WO 2016112893 A1 20160721

DOCDB simple family (application)

DE 102015000192 A 20150115; CN 201680005566 A 20160115; DE 2016000015 W 20160115; DK 16707615 T 20160115; EP 16707615 A 20160115; ES 16707615 T 20160115; US 201615543412 A 20160115