

Title (en)
MAGNETIC COMPENSATION DEVICE FOR A DRONE

Title (de)
MAGNETISCHE KOMPENSATIONSVORRICHTUNG FÜR EINE DROHNE

Title (fr)
DISPOSITIF DE COMPENSATION MAGNÉTIQUE POUR DRONE

Publication
EP 3625120 A1 20200325 (DE)

Application
EP 18746588 A 20180709

Priority
• DE 102017212936 A 20170727
• EP 2018068472 W 20180709

Abstract (en)
[origin: WO2019020347A1] The invention relates to a magnetic compensation device (21) for a drone (1) for triggering mines. The device comprises at least one flow-guiding element (23) which is made from a soft magnetic material and which is designed as an open or closed ring, a receiving chamber (25) for the drone (1) in which the drone can be maintained, and at least one electrical coil device (31) which is magnetically coupled to the flow-guiding element (23) such that a predetermined magnetic flow (39) can be injected into the flow-guiding element (23) by the coil device (31). The flow-guiding element (23) and the receiving chamber (25) are mounted in relation to each other such that a magnetic flow (37) generated by the drone (1) can be annularly shut off in the flow-guiding element (23). The invention further relates to a method for modifying the temporary compensation of the magnetic field of a drone (1) for triggering mines using said type of device (21).

IPC 8 full level
B63G 7/02 (2006.01); **H01F 7/20** (2006.01)

CPC (source: EP KR US)
B63G 7/06 (2013.01 - EP KR US); **B63G 9/06** (2013.01 - EP US); **B63G 13/02** (2013.01 - EP); **H01F 7/20** (2013.01 - US); **H01F 7/206** (2013.01 - EP); **H01F 27/24** (2013.01 - US); **H01F 27/28** (2013.01 - US); **B63G 2007/005** (2013.01 - EP KR); **B63G 2008/005** (2013.01 - EP); **B63G 2013/025** (2013.01 - EP); **H01F 2007/208** (2013.01 - EP KR)

Citation (examination)
US 6798632 B1 20040928 - HOLMES JOHN J [US], et al

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 2019020347 A1 20190131; AU 2018305771 A1 20191114; AU 2018305771 B2 20210121; DE 102017212936 A1 20190131; EP 3625120 A1 20200325; KR 20200035983 A 20200406; US 11124280 B2 20210921; US 2020223520 A1 20200716

DOCDB simple family (application)
EP 2018068472 W 20180709; AU 2018305771 A 20180709; DE 102017212936 A 20170727; EP 18746588 A 20180709; KR 20207005391 A 20180709; US 201816633435 A 20180709