Title (en)

Mine detonating apparatus

Title (de)

Minenräumgerät

Title (fr)

Appareil de déminage

Publication

EP 2133652 A2 20091216 (EN)

Application

EP 09275042 A 20090611

Priority

GB 0810643 A 20080611

Abstract (en)

A steerable mine detonation apparatus is adapted to be pushed by a steered vehicle (10). The apparatus comprises a frame (4) and at least two spaced apart ground engaging members (1-3) adapted to support the apparatus and adapted to exert a force on mines in the apparatus' path of sufficient to cause detonation thereof. At least one ground engaging member (1-3) is steerable, and at least one steerable ground engaging member (1-3) is attached to the frame (4) so as to pivot with respect thereto about a substantially vertical axis and is connected to a steering linkage, the apparatus further comprising a steering mechanism operatively connected to the steering linkage and, in use, to the pushing vehicle. An actuator (5,31) adapted to vary the configuration of the steering mechanism, is controlled to provide that, in use, the turning radius of at least a part of the innermost ground engaging member is less than or equal to the a turning radius of the innermost wheel of the pushing vehicle, and the turning radius of at least a part of the outermost ground engaging member is greater than or equal to the a turning radius of the outermost wheel of the pushing vehicle.

IPC 8 full level

F41H 11/30 (2011.01); **F41H 11/16** (2011.01)

CPC (source: EP GB US)

F41H 11/30 (2013.01 - EP GB US)

Citation (applicant)

US 6915728 B2 20050712 - RENWICK PETER JOHN [GB], et al

Cited by

EP2327951A1; US11199382B1; US8240239B1; WO2022248495A1; EP2299233A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2133652 A2 20091216; **EP 2133652 A3 20120530**; **EP 2133652 B1 20131113**; DK 2133652 T3 20140210; GB 0810643 D0 20080716; GB 0910024 D0 20090722; GB 2461155 A 20091230; GB 2461155 B 20100519; HR P20140089 T1 20140328; PL 2133652 T3 20140430; US 2012186421 A1 20120726

DOCDB simple family (application)

EP 09275042 A 20090611; DK 09275042 T 20090611; GB 0810643 A 20080611; GB 0910024 A 20090611; HR P20140089 T 20140130; PL 09275042 T 20090611; US 48296909 A 20090611