

Title (en)

REMOTELY CONTROLLABLE WEAPON STATION AND METHOD FOR OPERATING A CONTROLLABLE WEAPON STATION

Title (de)

FERNBEDIENBARE WAFFENSTATION UND VERFAHREN ZUM BETREIBEN EINER FERNBEDIENBAREN WAFFENSTATION

Title (fr)

TOURELLE TÉLÉOPÉRÉE ET PROCÉDÉ DE COMMANDE D'UNE TOURELLE TÉLÉOPÉRÉE

Publication

**EP 3350534 B1 20200930 (DE)**

Application

**EP 16747885 A 20160801**

Priority

- DE 102015011954 A 20150918
- DE 102015119847 A 20151117
- EP 2016068292 W 20160801

Abstract (en)

[origin: WO2017045827A1] The invention relates to a remotely controllable weapon station (1) for combating a target object, comprising a weapon (2) mounted on a carriage (3) such that it can be adjusted in azimuth and elevation. The weapon station (1) comprises a first unit (4) for determining a target distance (ZE) of the target object from the weapon (2), a second unit (5) for determining a physical extension (ZA) of the target object, and a third unit (6) for adjusting a maximum rate of fire of the weapon (2) on the basis of the determined target distance (ZE) and of the determined physical extension (ZA).

IPC 8 full level

**F41G 3/04** (2006.01); **F41A 19/65** (2006.01); **F41G 3/06** (2006.01); **F41G 3/16** (2006.01); **F41G 3/22** (2006.01)

CPC (source: EP)

**F41A 19/65** (2013.01); **F41G 3/04** (2013.01); **F41G 3/06** (2013.01); **F41G 3/165** (2013.01); **F41G 3/22** (2013.01)

Citation (opposition)

Opponent : Krauss-Maffei Wegmann GmbH & Co. KG

- US 5247867 A 19930928 - CORNEY MARTIN [US]
- WO 0136893 A1 20010525 - METAL STORM LTD [AU], et al
- US 4464975 A 19840814 - TERRY EDGAR R [US], et al
- DE 102007046545 A1 20090402 - RHEINMETALL WAFFE MUNITION [DE]
- EP 2520985 A1 20121107 - MANUF ET FABRIQUE DE MONTRES ET DE CHRONOMETRES ULYSSE NARDIN LE LOCLE S A [CH]
- DE 102011050277 A1 20121115 - KRAUSS MAFFEI WEGMANN GMBH & C [DE]
- KR 20120064429 A 20120619 - SAMSUNG TECHWIN CO LTD [KR]
- WO 2010082974 A2 20100722 - U S ARMY RDECOM ARDEC [US], et al
- JP 2009293865 A 20091217 - SUMITOMO HEAVY INDUSTRIES
- JP S534399 A 19780114 - HITACHI LTD
- US 2004050240 A1 20040318 - GREENE BEN A [AU], et al
- US 7793578 B1 20100914 - LENOBLE MICHEL [FR], et al
- EP 0009984 A1 19800416 - GEN ELECTRIC [US]
- US 2007208459 A1 20070906 - CHOI KEUN-KUG [KR]
- US 7239976 B2 20070703 - COLEMAN NORMAN [US], et al
- DE 2658770 A1 19780706 - RHEINMETALL GMBH
- DE 3531596 A1 19860306 - BOFORS AB [SE]
- US 4922801 A 19900508 - JAQUARD PAUL [FR], et al
- US 2008101784 A1 20080501 - HSU HSIU-O [TW]
- US 8608069 B1 20131217 - BAY LAURENCE ANDREW [US]
- US 7650826 B2 20100126 - SON TAE-JIN [KR], et al
- WO 2005033611 A1 20050414 - ELBIT SYSTEMS LTD [IL], et al
- US 9074847 B1 20150707 - SULLIVAN JACOB RYAN [US], et al
- US 2012153021 A1 20120621 - LAUPSTAD KJELL M [NO], et al
- US 2008148931 A1 20080626 - SVENSSON ROBERT [SE], et al
- WO 2008060662 A2 20080522 - LOCKHEED CORP [US], et al
- US 7493846 B2 20090224 - QUINN JAMES P [US]
- US 5379676 A 19950110 - PROFETA JOSEPH A [US], et al
- US 5822713 A 19981013 - PROFETA JOSEPH A [US]
- US 7509904 B2 20090331 - PLUMIER PHILIPPE [BE]
- US 4084480 A 19780418 - MOSCRIP WILLIAM MATTHEW
- EP 2208958 A2 20100721 - KONGSBERG DEFENCE & AEROSPACE [NO]
- DE 1728222 A1 19720323 - RHEINMETALL GMBH
- US 7870816 B1 20110118 - WILLINGHAM MICHAEL R [US], et al
- RU 2557873 C1 20150727 - STAROVEROV NIKOLAJ EVGEN EVICH [RU]
- EP 3367044 B1 20200624 - SWAROVSKI OPTIK KG [AT]
- ANONYMOUS: "Entwicklungsschwerpunkt Effektoren", 7 January 2015 (2015-01-07), pages 1 - 3, XP055935280, Retrieved from the Internet <URL:http://web.archive.org/web/ 20150701 063146/ https://www.rheinmetall- defence.com/de/rheinmetall\_ defence/public\_ relations/themen\_im\_ fokus/ entwicklungsschwerpunkt \_effektoren/index.php>
- "Schießlehre", 1959, BIRKHAUSER VERLAG BASEL, Stuttgart, article W. STUT Z: "Chapter 6, 8,9,14", pages: 86-176 - 236-266- 267-282,455-481, XP055936109
- "Waffentechnisches Taschenbuch", 1977, RHEINMETALL, article "Chapter 4 and Chapter 6", pages: 178-179 - 208-209, XP055936101
- "Technologie der Panzer II", vol. 40B, 1999, VELAG HEROLD, WIEN, article M. OGORKIEWICZ: "IX. Feuerleitanlagen für panzer A. Die Entwicklungsgeschichte der Feuerleitanlagen in Panzern", pages: 258 - 269, XP055936081
- ANONYMOUS: "Typical antiaircraft fire control systems", SAN FRANCISCO MARITIME NATIONAL PARK ASSOCIATION, 2013, pages 1 - 59, XP055838923
- "Truppendienst Taschenbuch Bd 31", vol. 2, 2007, article F. FELBERBAUER: "Waffentechnik I, Band 2", pages: 794 - 825, XP055876660

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 102015119847 A1 20170323**; EP 3350534 A1 20180725; EP 3350534 B1 20200930; EP 3350534 B8 20201118; HU E051720 T2 20210329;  
WO 2017045827 A1 20170323

DOCDB simple family (application)

**DE 102015119847 A 20151117**; EP 16747885 A 20160801; EP 2016068292 W 20160801; HU E16747885 A 20160801