

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

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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

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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/20150701063146/> 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. STUTZ: "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
- "Truppendifernt Taschenbuch Bd 31", vol. 2, 2007, article F. FELBERBAUER: "Waffentechnik I, Band 2", pages: 794 - 825, XP055876660

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