

25 Documents

Publication numbers	Title	Current assignees
EP3374720 A1	Device for feeding medium-calibre ammunition with a rotating plate	CMI DEFENCE
BE1023730 A1	Dispositif d'alimentation en munitions de moyen calibre à plateau tournant	COCKERILL MAINTENANCE & INGENIERIE
EP1589312 A1	Ammunition magazine	RHEINMETALL LANDSYSTEME
EP2183540 A2	Ammunition supply	RHEINMETALL LANDSYSTEME
EP-754926 A2	Turret for a wheeled or tracked vehicle	RHEINMETALL LANDSYSTEME
WO200897255 A2	Adjustable multi-caliber, multi-feed ammunition container	EOS DEFENSE SYSTEMS
US4509401 A	Portable ammunition handling and loading system	WAYNE H COLONEY
DE4206644 A1	Gun magazine for small or medium calibre guns - has ammunition attached to belt and consists of drum with cylindrical outer housing	RHEINMETALL LANDSYSTEME
EP1612502 A1	Ammunition magazine	RHEINMETALL LANDSYSTEME
US20070107592 A1	Drum magazine for firearm	ARMATAC INDUSTRIES
US3590684 A	Ammunition supply means	EMERSON ELECTRIC
FR3017701 A3	STORAGE BOX AND DEPLOYMENT OF AN AMMUNITION BELT AND METHOD ASSOCIATED WITH	FRANCE ETAT
EP-918204 A2	Magazine for belted ammunition	STEYR DAIMLER PUCH
US3662646 A	Feeder	GENERAL ELECTRIC
US3788189 A	Ammunition feeding system	GENERAL ELECTRIC
EP--91772 A1	Transport mechanism for ammunition	GENERAL DYNAMICS ARMAMENT SYSTEMS
US3974738 A	Rotary differential ammunition reservoir	EMERSON ELECTRIC
WO201156236 A2	Ammunition feed system for firearm	MENINAS
EP-480630 A1	Ammunition storage system	GENERAL DYNAMICS ARMAMENT & TECHNICAL PRODUCTS
US4034644 A	Firearm and magazine construction	IWKA - INDUSTRIE WERKE KARLSRUHE
DE3638894 A1	Rotary magazine for large-calibre ammunition	KRAUSS MAFFEI
EP--96376 A2	Drum-type ammunition magazine	WESTERN DESIGN
EP-201276 A1	A device for conveying linked-together cartridges from a magazine to an automatic gun, especially for use in a gun	NORSK FORSVARSTEKNOLOGI

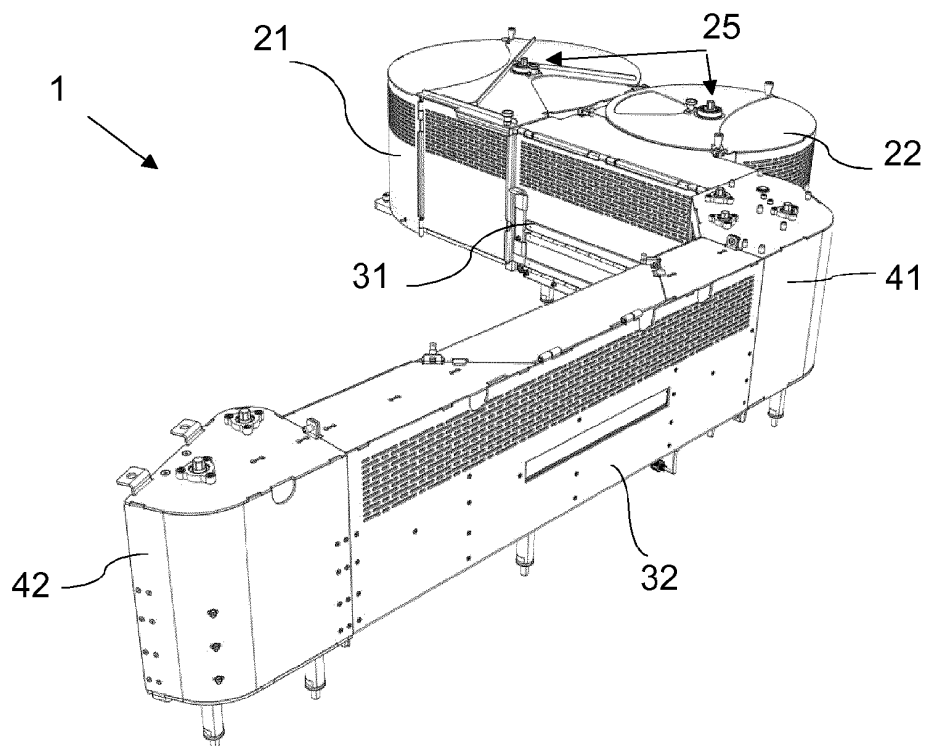
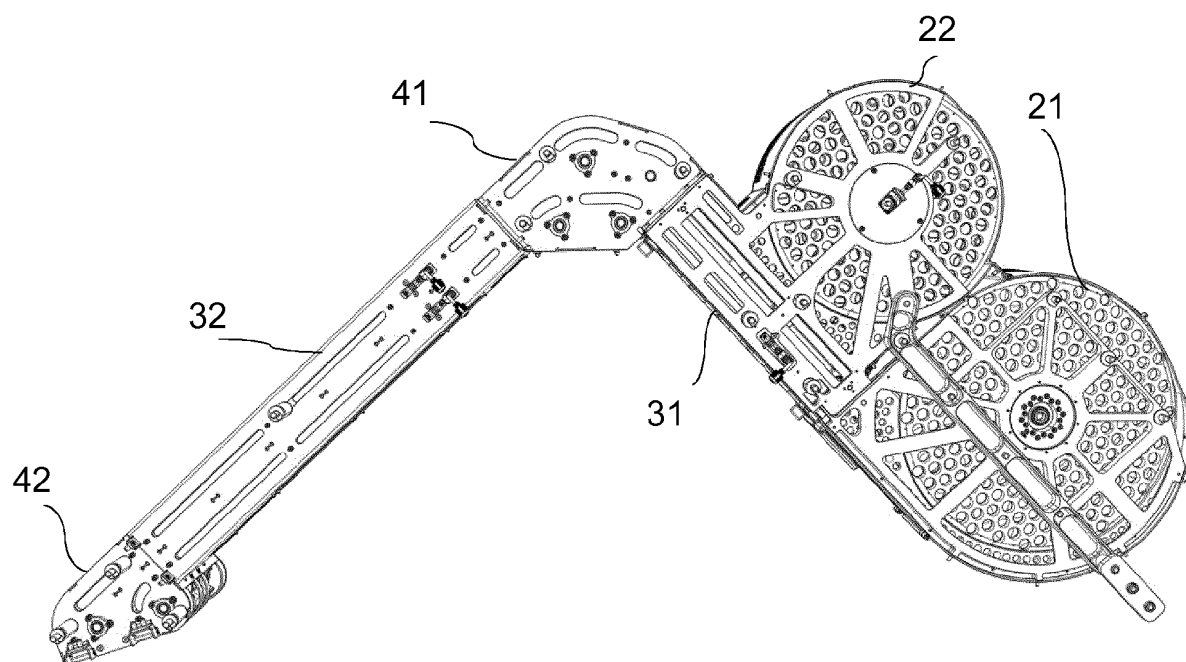
Publication numbers	Title	Current assignees
	turret	
US4745842 A	Spiral drum magazine with elongated magazine clip and multiple link last round follower	POLY TECHNOLOGIES
FR2554222 A1	STEERABLE WEAPON FOR AIRCRAFT, PARTICULARLY FOR HELICOPTERS	AGUSTA

Family 1/25 - FAMPAT - ©Questel

Title

(EP3374720)

Device for feeding medium-calibre ammunition with a rotating plate

ImagesFigure. 1Figure. 2**Publication data including kind & date**

EP3374720	B1	2019-08-07	EP3374720
MX2018005835	A	2018-11-12	MX2018005835
BR112018006951	A2	2018-10-16	BR112018006951
CN108603736	A	2018-09-28	CN108603736



EP3374720	A1	2018-09-19	EP3374720				
CO2018005877	A2	2018-08-21	CO2018005877				
KR20180092315	A	2018-08-17	KR20180092315				
IL259126	A	2018-06-28	IL-259126				
IN201817020540	A	2018-06-22	IN201817020540				
AU2016352431	A1	2018-05-10	AU2016352431				
SG11201802569T	A	2018-04-27	SG11201802569T				
BR112018006951	A1	2018-04-17	BR112018006951				
WO2017/080800	A8	2017-07-06	WO201780800				
WO2017/080800	A1	2017-05-18	WO201780800				
CA3001432	A1	2017-05-18	CA3001432				

Abstract

(EP3374720)

A device (1) for feeding medium-calibre ammunition, intended for a turret mounted on an armoured vehicle, characterised in that the structural elements for guided and pulled delivery successively comprise a first conveyor (31), a first ratchet casing (41), a second conveyor (32) and a second ratchet casing (42), said rotating circular plate and said structural elements for guided and pulled delivery all being covered with a protection made from metal sheet on the side faces of same and/or on a top portion or roof, said protection made from metal sheet having movable flaps mounted in a rotating or pivoting manner (23, 24, 28, 33, 34, 35), allowing partial or total ergonomic (re)loading and/or unloading of medium-calibre ammunition (2) into/from the rotating circular plate (21, 22), either when the vehicle is stationary or when it is moving, from the inside and/or the outside of the turret and access to the medium-calibre ammunition (2) or (re)loading and/or unloading of same into/from the conveyors (31, 32).

Inventors

COLOMINE ANTHONY

GRITSKEVITCH INNOKENTY

FARINELLA DOMENICO

Latest standardized assignees - inventors removed

CMI DEFENCE

Family 2/25 - FAMPAT - ©Questel

Title

(BE1023730)

Dispositif d'alimentation en munitions de moyen calibre à plateau tournant

Publication data including kind & date

BE1023730 A1 2017-06-30 BE1023730

**Abstract**

(BE1023730)

A device (1) for feeding medium-calibre ammunition, intended for a turret mounted on an armoured vehicle, characterised in that the structural elements for guided and pulled delivery successively comprise a first conveyor (31), a first ratchet casing (41), a second conveyor (32) and a second ratchet casing (42), said rotating circular plate and said structural elements for guided and pulled delivery all being covered with a protection made from metal sheet on the side faces of same and/or on a top portion or roof, said protection made from metal sheet having movable flaps mounted in a rotating or pivoting manner (23, 24, 28, 33, 34, 35), allowing partial or total ergonomic (re)loading and/or unloading of medium-calibre ammunition (2) into/from the rotating circular plate (21, 22), either when the vehicle is stationary or when it is moving, from the inside and/or the outside of the turret and access to the medium-calibre ammunition (2) or (re)loading and/or unloading of same into/from the conveyors (31, 32).

(From WO2017080800 A1)

Inventors

COLOMINE ANTHONY

FARINELLA DOMENICO

GRITSKEVITCH INNOKENTY

Latest standardized assignees - inventors removed

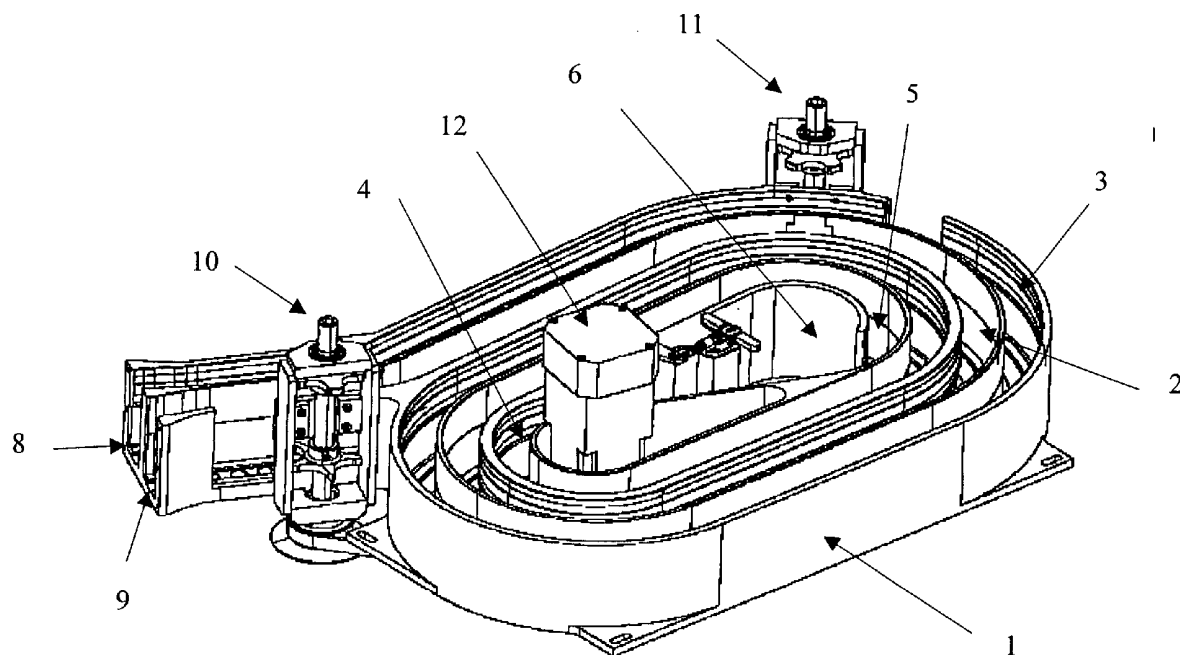
COCKERILL MAINTENANCE & INGENIERIE

Family 3/25 - FAMPAT - ©Questel

Title

(EP1589312)

Ammunition magazine

Images**Fig. 1****Publication data including kind & date**

ES2286729	T3	2007-12-01	ES2286729
DE502005000761	D1	2007-07-12	DE502005000761
AT363638	T	2007-06-15	ATE363638
EP1589312	B1	2007-05-30	EP1589312
DE102004035634	A1	2005-11-10	DE102004035634
EP1589312	A1	2005-10-26	EP1589312

**Abstract**

(EP1589312)

A military machine gun has a magazine (1) with one, two or more discrete channels (3, 5) incorporated within the single magazine case. Each channel is allocated to a particular type of ammunition e.g. anti-tank and explosive ammunition. Each channel is so constructed that there is no physical contact between the different types of ammunition (7).

(From EP1589312 A1)

Inventors

DILLER ARMIN

MALL HANS

Latest standardized assignees - inventors removed

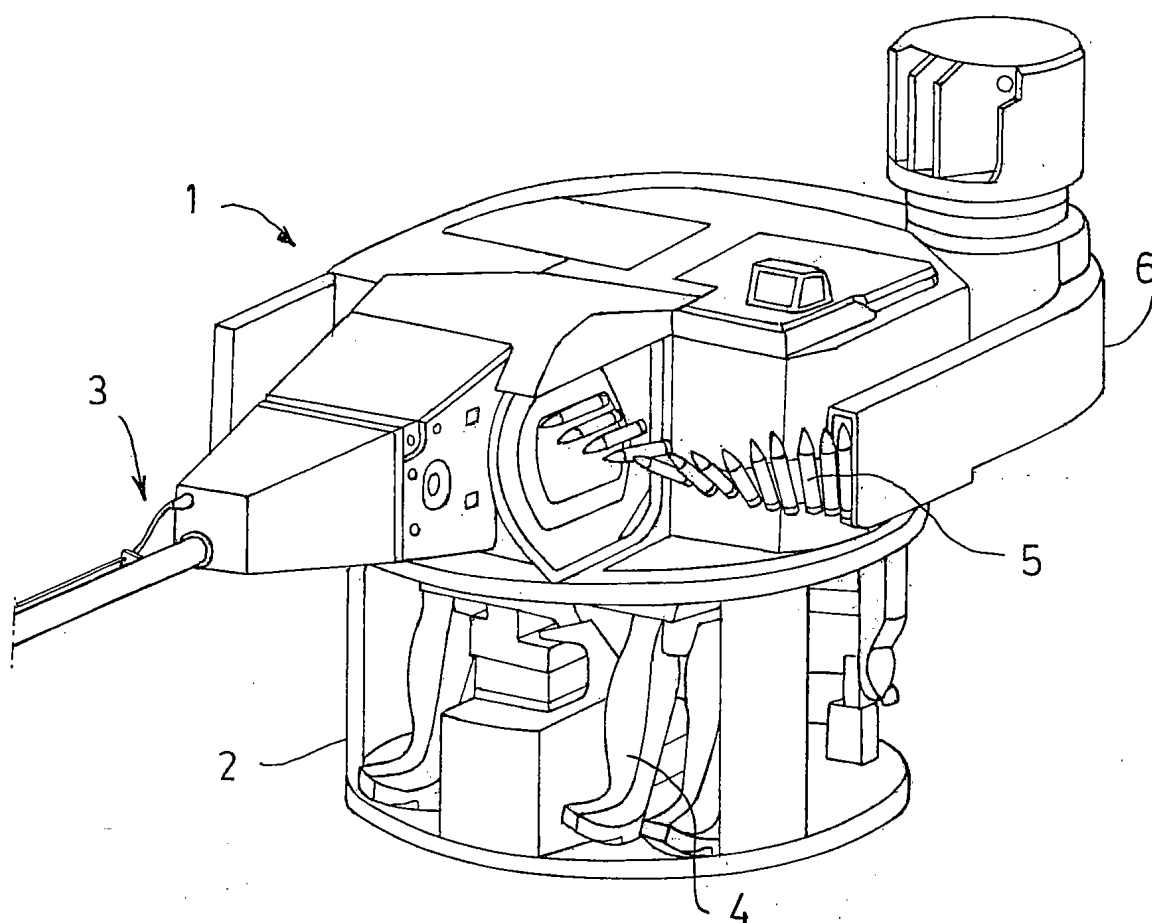
RHEINMETALL LANDSYSTEME

Family 4/25 - FAMPAT - ©Questel

Title

(EP2183540)

Ammunition supply

Images**Publication data including kind & date**

EP2183540	B1	2016-02-10	EP2183540
EP2183540	A2	2010-05-12	EP2183540
DE102007041294	B4	2009-12-17	DE102007041294
WO2009/030385	A3	2009-07-02	WO200930385
US20090120271	A1	2009-05-14	US20090120271
WO2009/030385	A2	2009-03-12	WO200930385
DE102007041294	A1	2009-03-05	DE102007041294

**Abstract**

(EP2183540)

The aim of the invention is to provide an ammunition supply system that does not come from a turret (1) or an ammunition magazine. Said type of ammunition supply system (6) is mounted completely or partially about the periphery of the turret (1). Said ammunition supply (6) comprises at least one ammunition channel (10, 11) that is filled with ammunition (5), a drive (13) for transporting the ammunition (5) that is integrated if the weapon (3) is not configured for extracting the ammunition (5) itself. If this is the case, a continuous chain (12), that can be displaced in two axes, interacts with the drive (13). This enables the ammunition (5) to be transported about the radii (R) of the turret (1).

Inventors

SAULE HANS
DILLER ARMIN
KRAUS JOCHEN

Latest standardized assignees - inventors removed

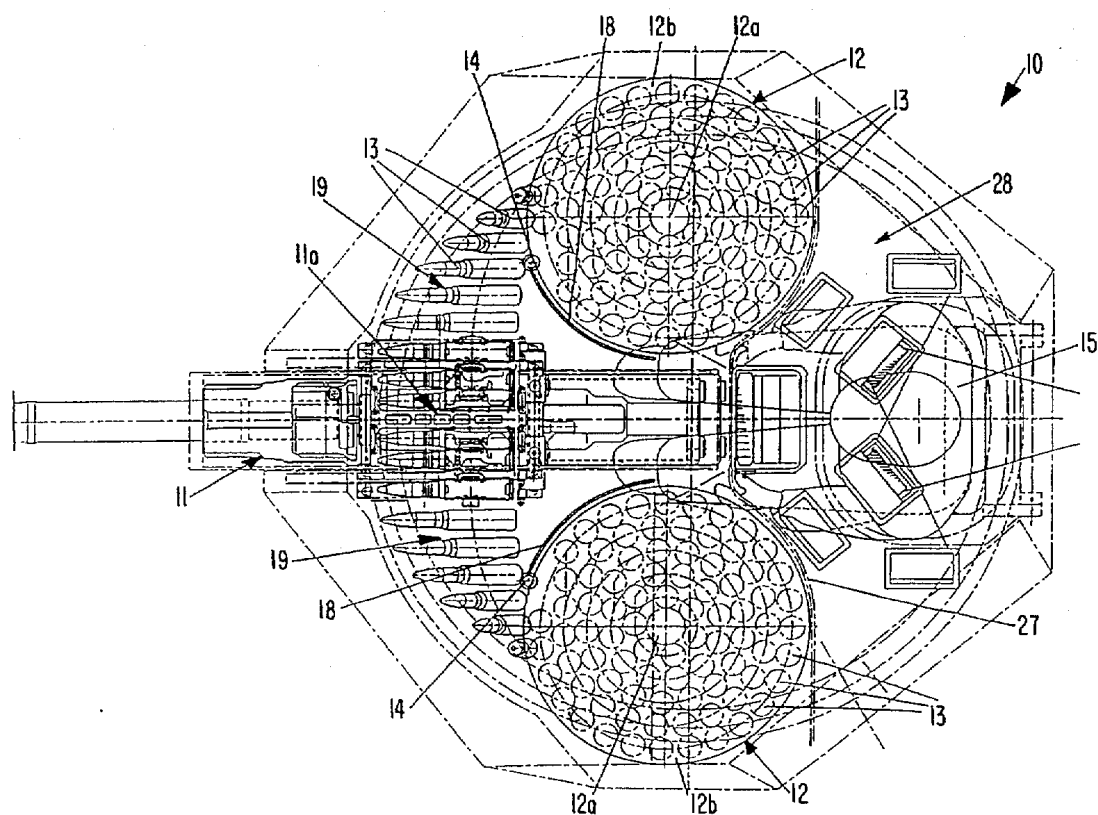
RHEINMETALL LANDSYSTEME

Family 5/25 - FAMPAT - ©Questel

Title

(EP-754926)

Turret for a wheeled or tracked vehicle

Images**Publication data including kind & date**

ES2211924	T3	2004-07-16	ES2211924
DE59610891	D1	2004-02-19	DE59610891
AT257940	T	2004-01-15	ATE257940
EP0754926	B1	2004-01-14	EP-754926
EP0754926	A3	2001-12-19	EP-754926
US5684265	A	1997-11-04	US5684265
DE19526664	A1	1997-01-23	DE19526664
EP0754926	A2	1997-01-22	EP-754926
CA2181630	A1	1997-01-22	CA2181630

**Abstract**

(EP0754926)

The munitions (13) are accommodated in a vertical alignment in the magazine (12) and on feed to the weapon (11) are aligned to it. The strapped munitions are wound spirally in the magazine and the strap (919) runs freely from the magazine to the weapon without the use of a guide device. A magazine can be fitted on both sides of the weapon. The magazine has a rotatable base plate (12b) with a central column (12a) and a brake device is provided for the base plate. The munition strap in its feed to the weapon is turned from its vertical alignment to one horizontal. The magazine in the outlet direction of the munition strap is inclined downwards. Near the outlet of the magazine a guide roller (14) is arranged.

Inventors

STRASSER FRIEDRICH-WILHELM

ERTL PETER

POLLACK HANS-JUERGEN

Latest standardized assignees - inventors removed

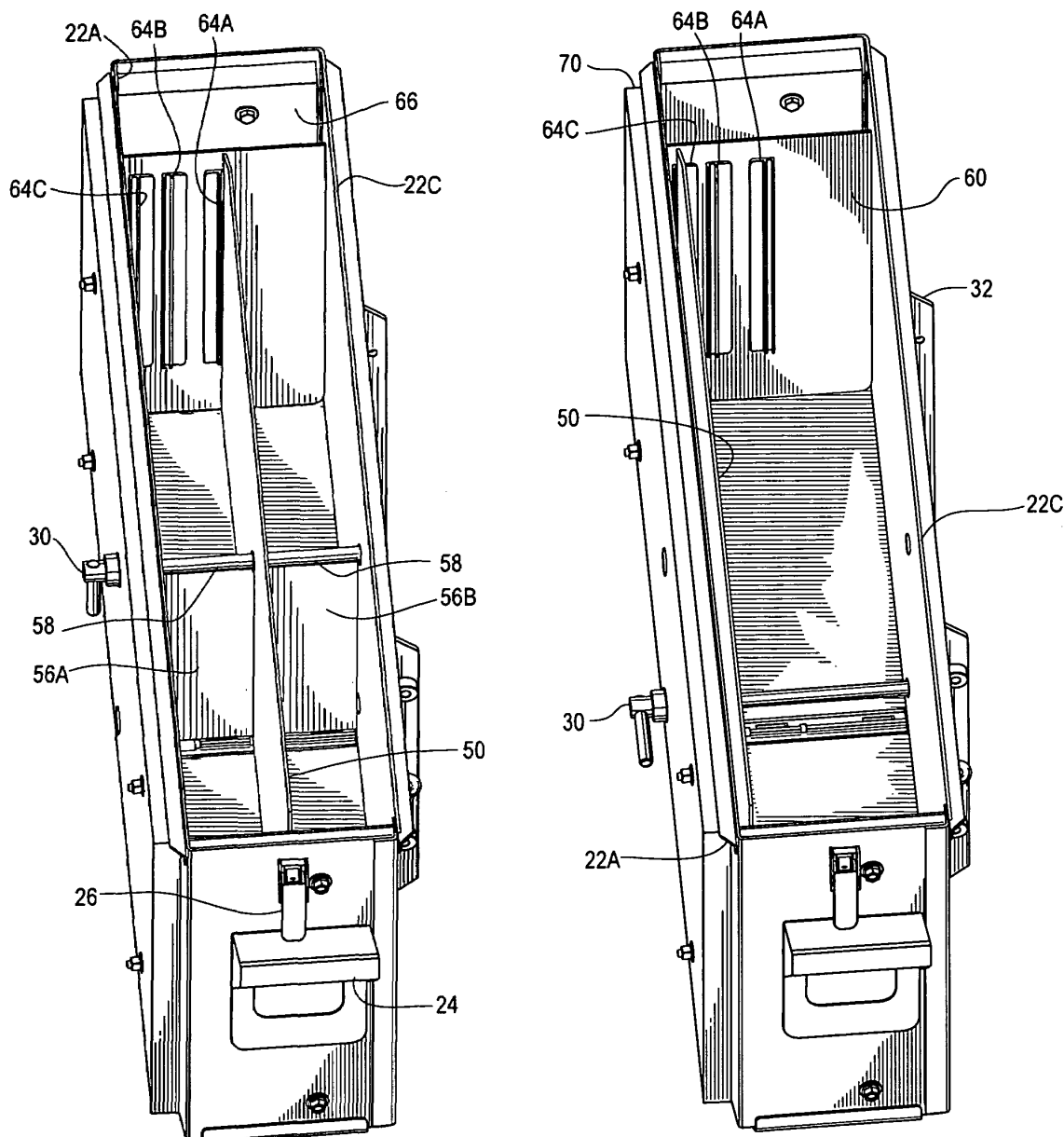
RHEINMETALL LANDSYSTEME

Family 6/25 - FAMPAT - ©Questel

Title

(WO200897255)

Adjustable multi-caliber, multi-feed ammunition container

Images**Publication data including kind & date**

US7546794	B1	2009-06-16	US7546794
WO2008/097255	A3	2008-10-09	WO200897255
WO2008/097255	A2	2008-08-14	WO200897255

**Abstract**

(WO2008/097255)

An ammunition container is disclosed in the form of an enclosure for holding a supply of ammunition, preferably in belt form. A partition member is positioned in the enclosure. The container includes three separate holding features positioned in a spaced-apart relation relative to the enclosure adapted to engage the partition. The holding features and partition thereby providing a capability of holding ammunition of at least three different calibers. For example, 5.56 mm or 7.62 mm

ammunition is held in the container when the partition is engaged in the first holding feature, 40 mm ammunition is held in the container when the partition is engaged in the second holding feature, and 0.50 cal. ammunition is held in the container when the partition is engaged in the third holding feature.

Inventors

SARLES J STEPHEN

LANDWEHR DANIEL R

ERICKSON LESLIE E

Latest standardized assignees - inventors removed

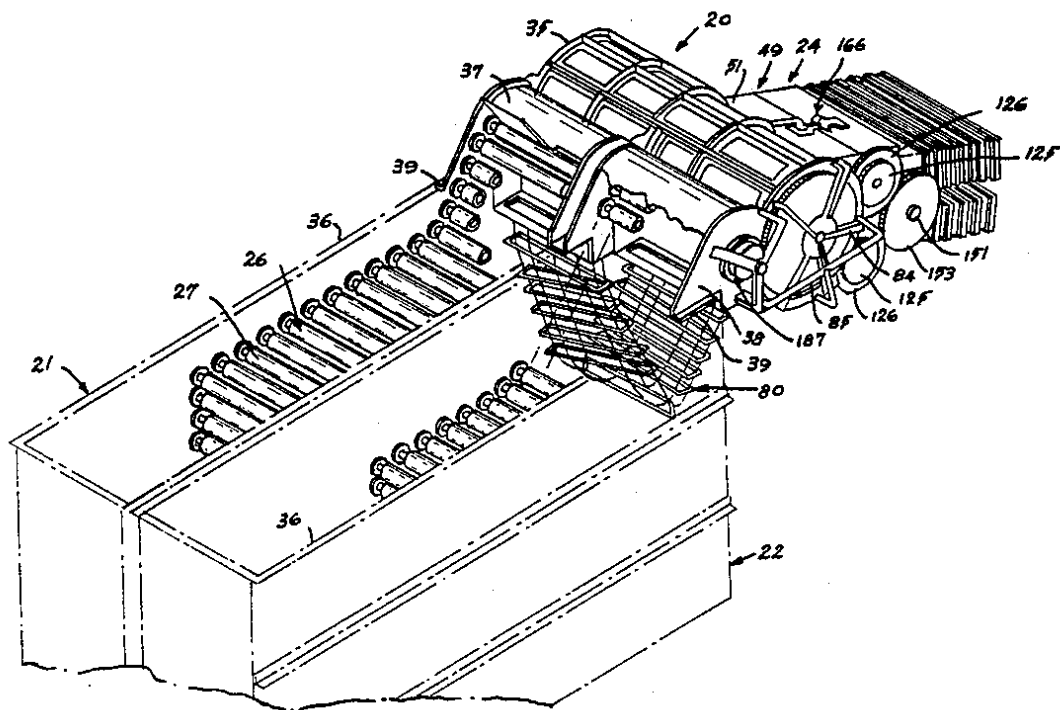
EOS DEFENSE SYSTEMS

Family 7/25 - FAMPAT - ©Questel

Title

(US4509401)

Portable ammunition handling and loading system

Images**Publication data including kind & date**[US4509401](#)

A 1985-04-09 US4509401

**Abstract**

(US4509401)

A manually portable ammunition handling and loading system for delivering live rounds of large caliber ammunition from an ammunition supply belt to an automatic weapons system such as those carried by military aircraft, and which simultaneously collects expended shell casings and unfired rounds from the weapons system. The portable loading system is selectively mounted on an ammunition supply container and a spent round collection container and serves to feed belt carried ammunition from the supply container to the weapons system and to discharge the same belt carrying shell casings and unfired rounds received from the weapons system into the collection container.

Inventors

POLLOCK STEPHEN F

Latest standardized assignees - inventors removed

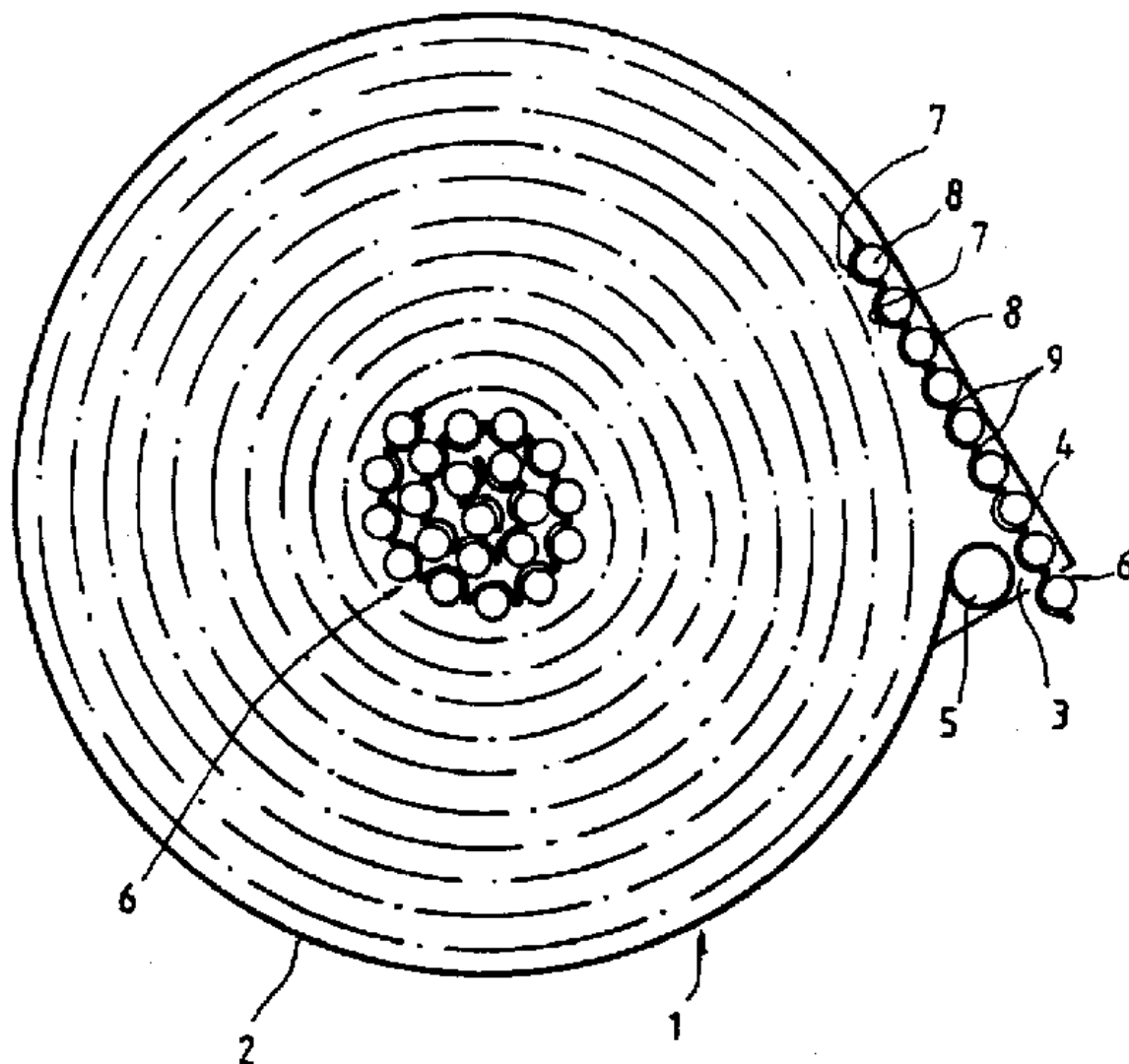
WAYNE H COLONEY

Family 8/25 - FAMPAT - ©Questel

Title

(DE4206644)

Gun magazine for small or medium calibre guns - has ammunition attached to belt and consists of drum with cylindrical outer housing

Images**Fig.1****Publication data including kind & date**

NO311592	B1	2001-12-10	NO-311592
DE4206644	C2	1997-08-07	DE4206644
CH687646	A5	1997-01-15	CH-687646
NL9300387	A	1993-10-01	NL9300387
DE4206644	A1	1993-09-16	DE4206644
NO930741	L	1993-09-06	NO-930741
NO930741	D0	1993-03-01	NO9300741

**Abstract**

(DE4206644)

The magazine is in the form of a drum (1) with an outer wall (2) of circular cylindrical shape. The magazine has end walls which are positioned to correspond to the length of the munitions (8). The outer wall of the magazine has a slit (3) for the outward movement of the belt (6) with a tangential extension (4) which forms one wall of the outlet. The opposite wall is

formed by a curved member (5) with a width corresponding to the width of the ammunition belt. USE/ADVANTAGE - The ammunition belt is easily inserted in the magazine in random form and easily guided into the breech of the gun.

Inventors

ERTL PETER

WAEGBNER DETLEF

Latest standardized assignees - inventors removed

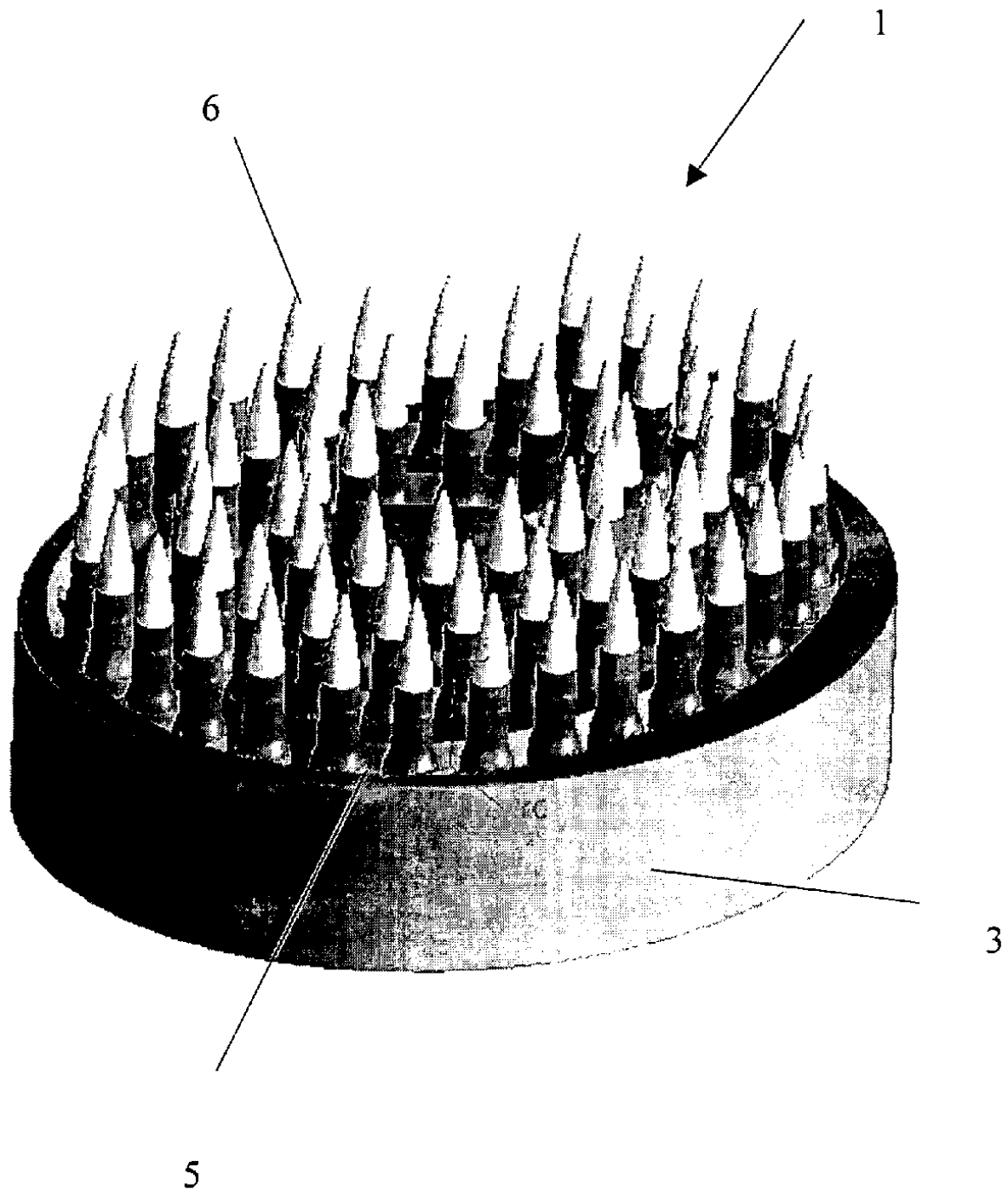
RHEINMETALL LANDSYSTEME

Family 9/25 - FAMPAT - ©Questel

Title

(EP1612502)

Ammunition magazine

Images**Fig. 2**

Publication data including kind & date

DE102004031773	B3	2006-01-19	DE102004031773
EP1612502	A1	2006-01-04	EP1612502



Abstract

(EP1612502)

The ammunition magazine for an automatic weapon has a guide wall (3) defining a feed channel (5). The wall has cut outs in which balls or cylindrical rollers (8) are fitted, so that a munition is fed inside the channel around a single axis of rotation. The balls or rollers are of steel, plastic or rubber. The feed wall can be spiral or elliptical in shape.

Inventors

MALL HANS

DILLER ARMIN

Latest standardized assignees - inventors removed

RHEINMETALL LANDSYSTEME

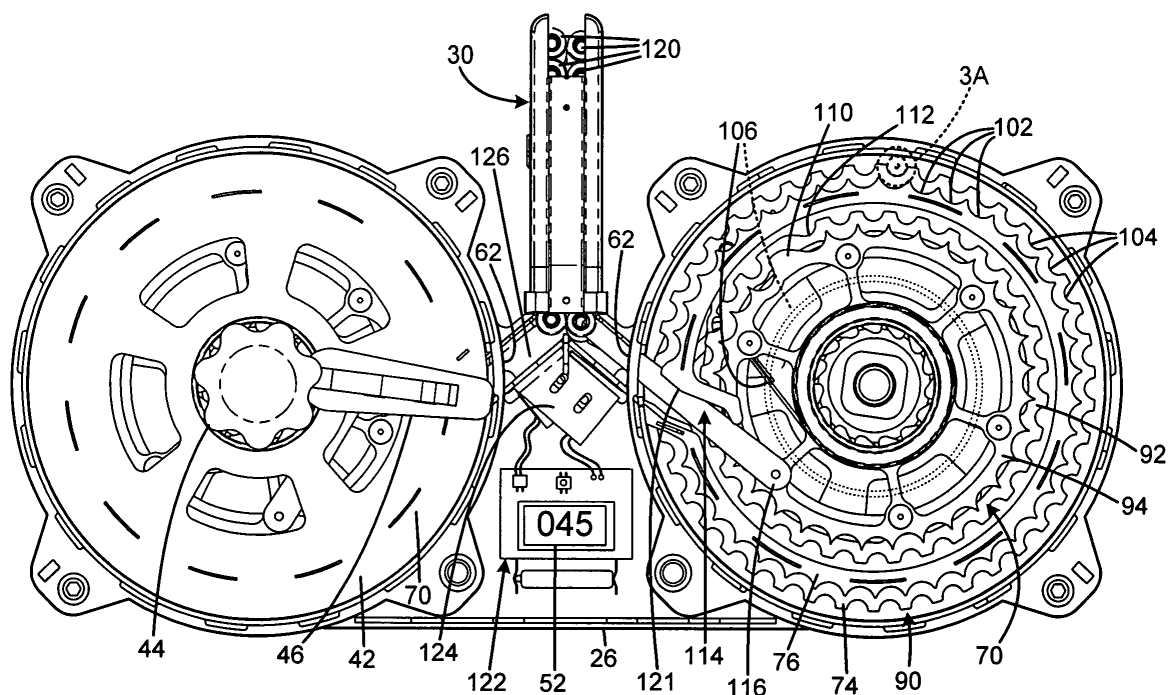
Family 10/25 - FAMPAT - ©Questel

Title

(US7441491)

Drum magazine for firearm

Images



Publication data including kind & date

US8037800	B2	2011-10-18	US8037800
US20110005114	A1	2011-01-13	US20110005114
US7441491	B2	2008-10-28	US7441491
US20070107592	A1	2007-05-17	US20070107592



Abstract

(US20070107592)

A detachable magazine for storing and delivering ammunition to a firearm having a magazine well. The magazine has a body with a column adapted for insertion into the magazine well. The column has a passage for transmitting ammunition to the firearm. The body includes a drum housing defining a substantially cylindrical chamber communicating with the column passage. A first sprocket element is rotatably received in the chamber and has a serrated periphery, with each serration adapted to receive an ammunition cartridge. A second sprocket element is rotatably received in the chamber, and is

concentric with the first sprocket element, having a serrated periphery with each serration adapted to receive an ammunition cartridge. A spring element is connected to at least one of the sprocket elements, and operates to rotatably bias the sprocket elements to transmit cartridges from the drum chamber to the column passage. The magazine may have a pair of drums, and the sprockets may be tapered, to facilitate feeding of tapered cartridges. The magazine may include a counter to indicate the quantity of ammunition consumed or remaining. The magazine may include the ability to power and de-power spring motor.

Inventors

SNOW MICHAEL RAYMOND

Latest standardized assignees - inventors removed

ARMATAC INDUSTRIES

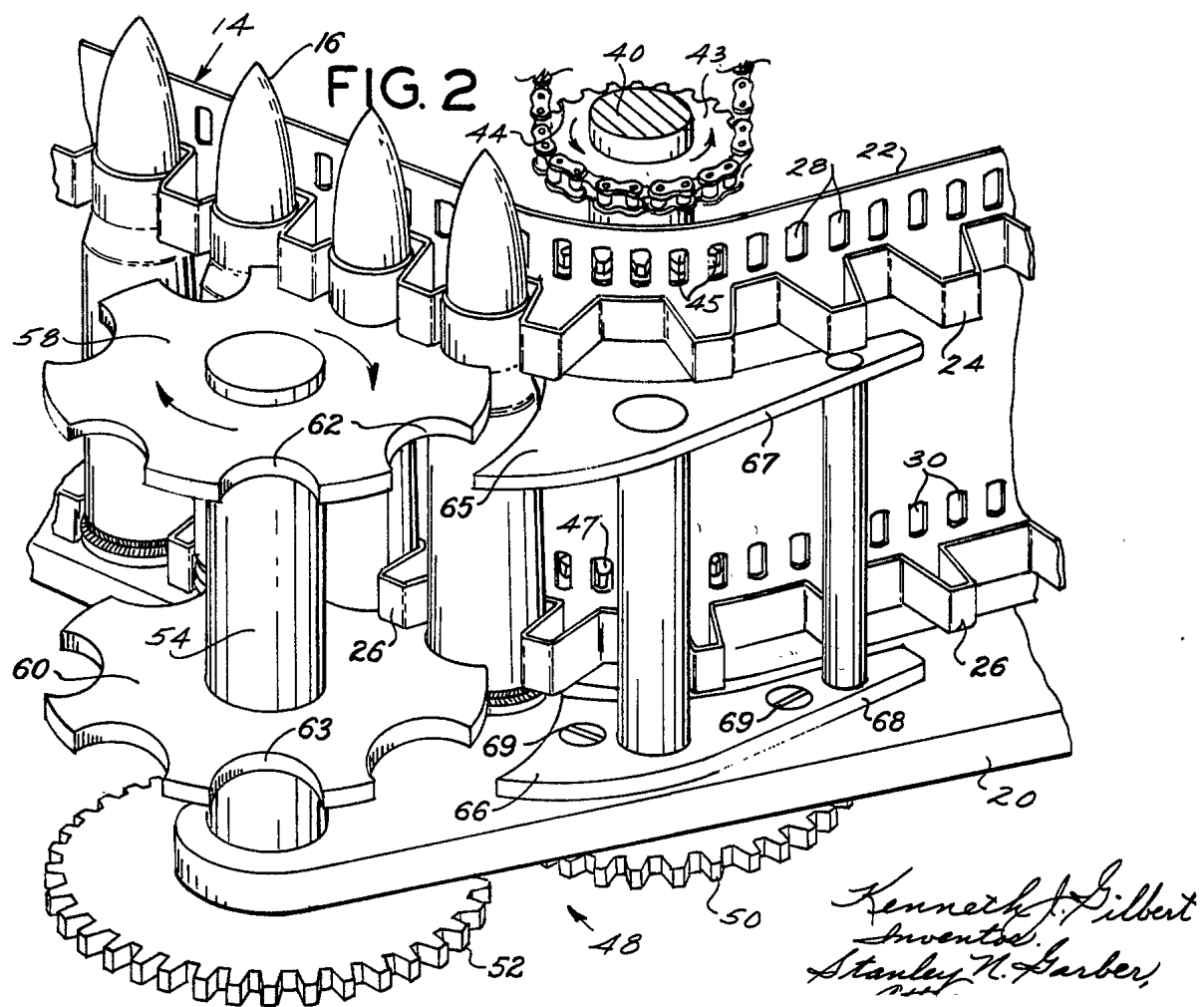
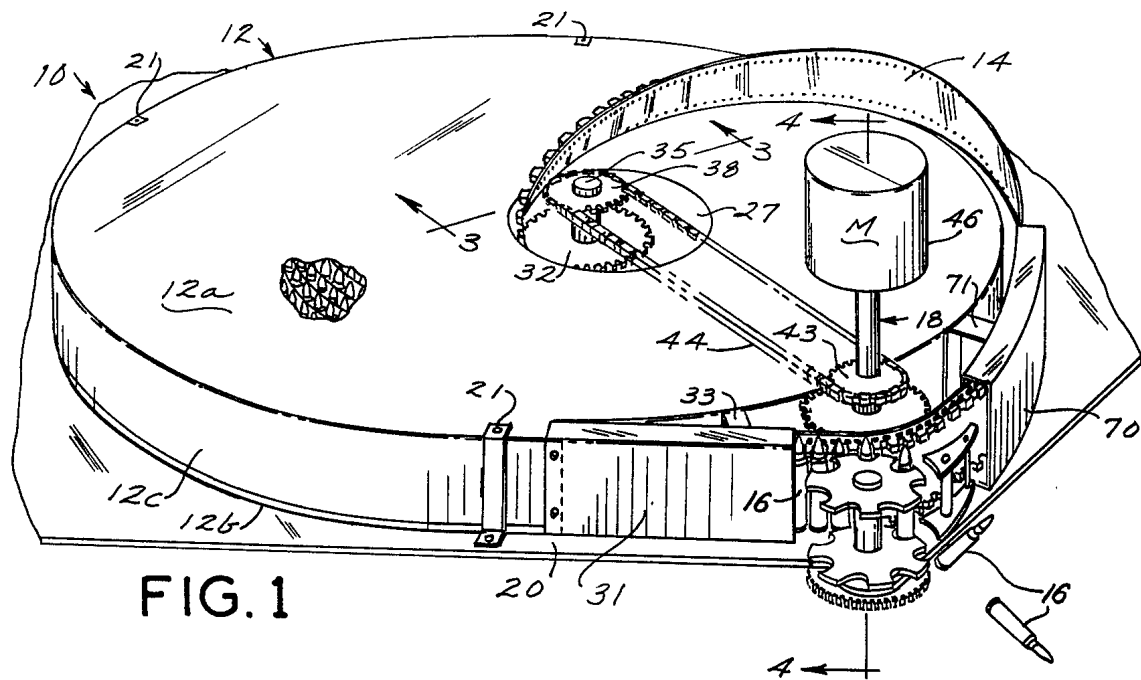
Family 11/25 - FAMPAT - ©Questel

Title

(US3590684)

Ammunition supply means

Images



Publication data including kind & date

US3590684

A 1971-07-06 US3590684



Abstract

(US3590684)

An ammunition storage and feeding mechanism having a flexible endless metal conveyor belt spiralled into concentric turns about a common axis and disposed within an ammunition box, the inner belt turn being connected to the outer belt turn. The belt having abutments spaced in the lengthwise direction thereof to receive ammunition rounds having their lengthwise axes parallel to the common axis of the belt turns, the belt transferring the rounds to a rapid fire gun feeding mechanism located adjacent the radially outer layer of the belt. The belt is driven by a pair of sprockets respectively driving the inner and outer belt layers at the same speed with the outer empty belt layer portions becoming the radially inner belt layer portions as the belt is driven.

Inventors

GILBERT KENNETH J

Latest standardized assignees - inventors removed

EMERSON ELECTRIC

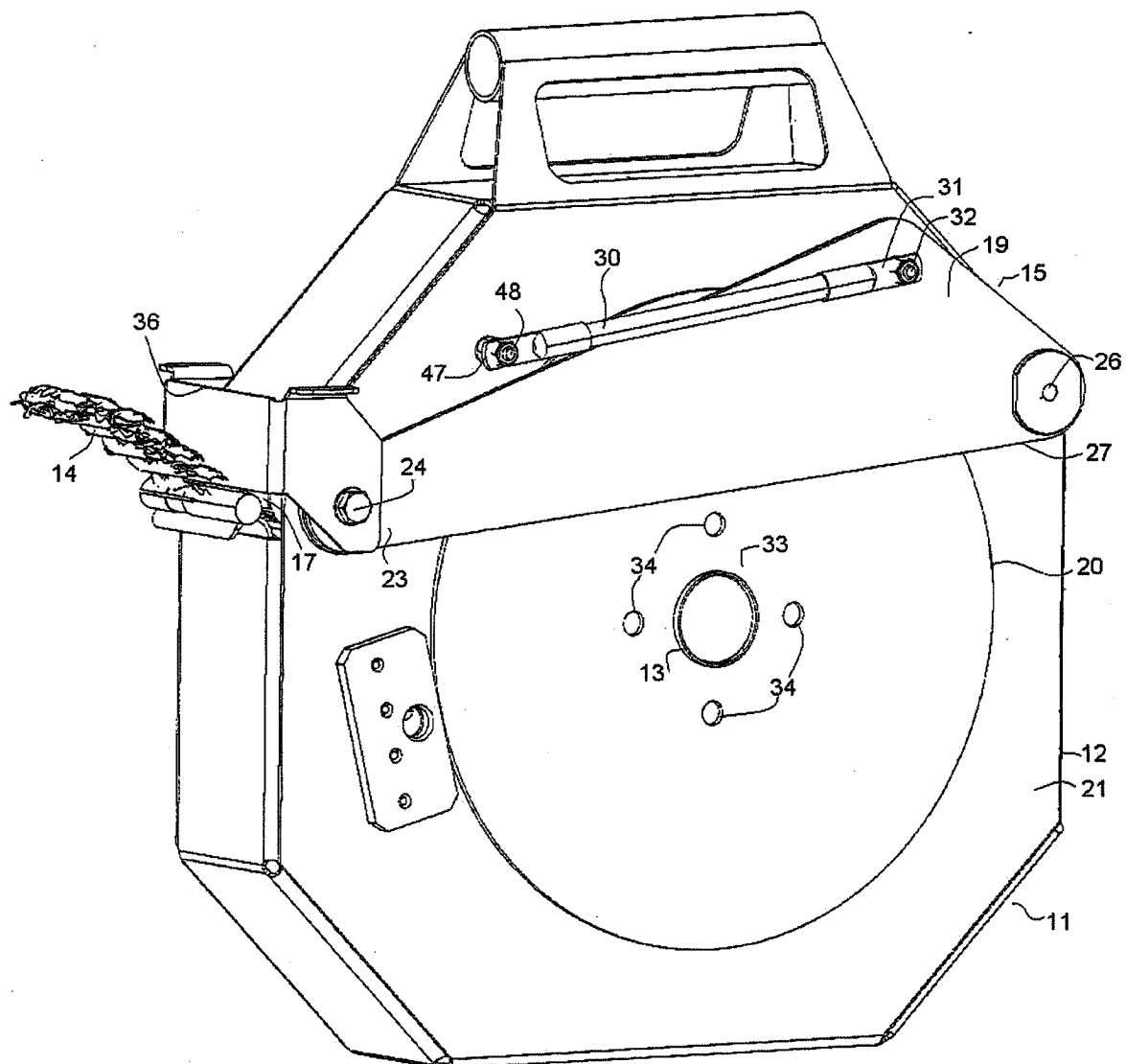
Family 12/25 - FAMPAT - ©Questel

Title

(FR3017701)

STORAGE BOX AND DEPLOYMENT OF AN AMMUNITION BELT AND METHOD ASSOCIATED WITH

Images



Publication data including kind & date

FR3017701 B3 2016-07-08 FR3017701

FR3017701 A3 2015-08-21 FR3017701

Inventors



RENAUD DAMIEN

FRANCE ETAT

Title

Magazine for belted ammunition

Images

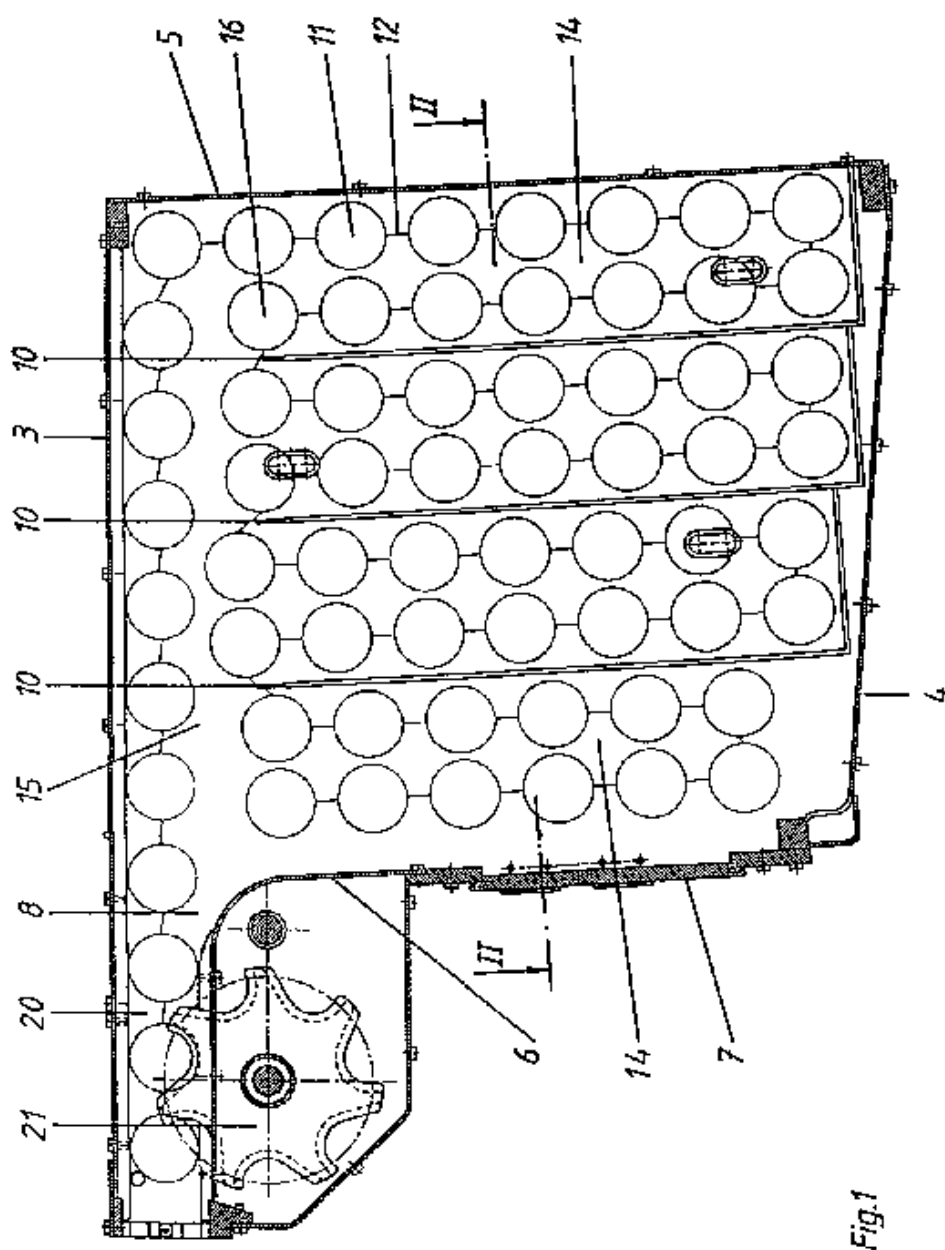


Fig. 1

DE59807455	D1	2003-04-17	DE59807455
EP0918204	B1	2003-03-12	EP-918204
US6164180	A	2000-12-26	US6164180
AT406199	B	2000-03-27	AT-406199
EP0918204	A3	1999-09-01	EP-918204
ATA197697	A	1999-07-15	AT9701976
EP0918204	A2	1999-05-26	EP-918204



Abstract

(EP0918204)

An ammunition box for belted ammunition has a low friction coating on the inside bottom to support the rounds standing on the bottom. The loops of the belt are separated by thin vertical walls and the belt is taken out of the box by an exit slot. To assist the transfer of heavy caliber rounds the belted ammunition is guided out of the box via a star shaped wheel. Access to the ammunition is via a removable lid. The separating walls can be fitted with profiled combs to hold the ammunition and with end rollers to guide the belt loops.

Inventors

SULM GUENTHER

BRICHTA KARL ING

Latest standardized assignees - inventors removed

STEYR DAIMLER PUCH

Family 14/25 - FAMPAT - ©Questel

Title

(US3662646)

Feeder

Images

An ammunition feeder for a machinegun has two sets of in-feed sprockets which alternatively feed rounds to a shiftable tray having two alternative stripping stations, either of which may be alternatively disposed to cooperate with the bolt.

Inventors

OBRIEN JOHN F

OUELLETTE HERVE J

Latest standardized assignees - inventors removed

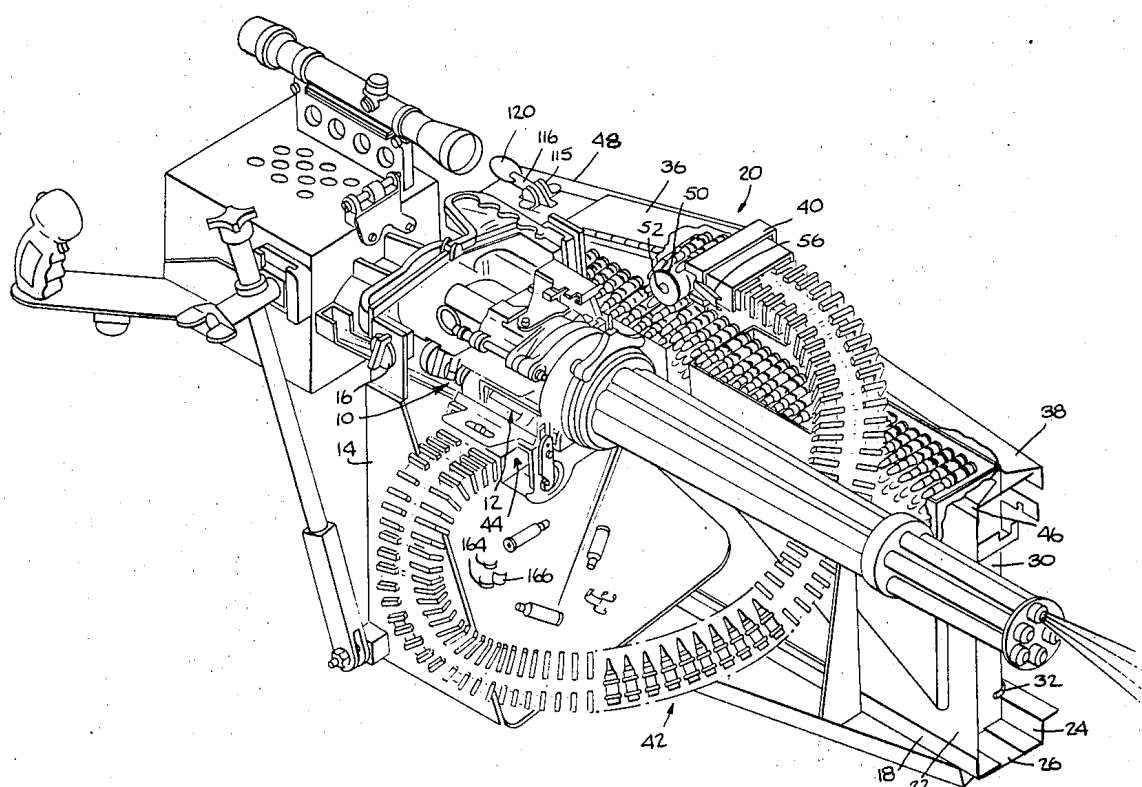
GENERAL ELECTRIC

Family 15/25 - FAMPAT - ©Questel

Title

(US3788189)

Ammunition feeding system

Images**Publication data including kind & date**[US3788189](#)

A 1974-01-29 US3788189

**Abstract**

(US3788189)

An ammunition handling system has a housing for storing the main quantity of a belt of rounds of ammunition and a flexible guide for leading the belt from the housing to the gun, and having means at the forward end of the gun for retaining the belt therein when separated from the gun, and for locking onto the feeder of the gun, engaging the lead round of the belt into the feeder, and releasing the belt for feeding in a single manual operation of the gunner.

Inventors

SACHLEBEN H

PETTINGA R

Latest standardized assignees - inventors removed

GENERAL ELECTRIC

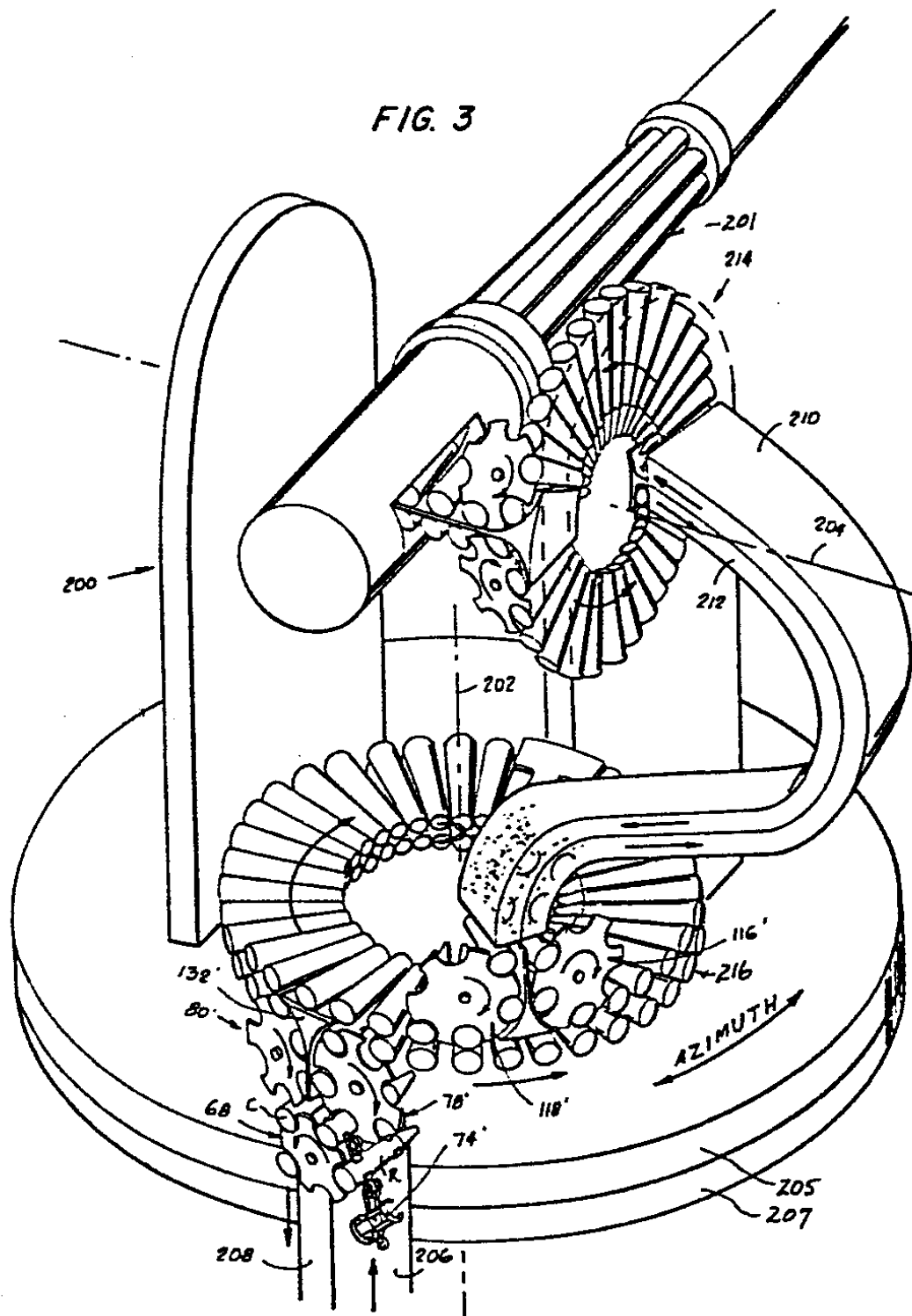
Family 16/25 - FAMPAT - ©Questel

Title

(EP--91772)

Transport mechanism for ammunition

Images



Publication data including kind & date

JP1735471	C	1993-02-17	JP1735471
JPH0418235	B2	1992-03-27	JP92018235
DE3374809	D1	1988-01-14	DE3374809
EP0091772	B1	1987-12-02	EP--91772
CA1198920	A	1986-01-07	CA1198920
US4492144	A	1985-01-08	US4492144
JPS58198698	A	1983-11-18	JP58198698
EP0091772	A1	1983-10-19	EP--91772



Abstract

(EP0091772)

A slip ring mechanism (216) for the transport of linkless ammunition and fired cases between a stationary supply means and a gun (201) which is journaled for rotation about at least one axis (202) comprising a first transport means (206) which is stationary, a second transport means (210) which is journaled for rotation about said axis (202), and a differential means (216) disposed between said first and second transport means (206, 210) and journaled for rotation about said axis (202) with respect to said first and second transport means, said differential means including a plurality of compartments, each for receiving a respective round or case, said first and second transport means (206, 210) respectively inserting or extracting rounds or cases into said compartments so that the number of compartments containing a round or case is constant at all relative rotational positions of said first and second transport means and said differential means.

Inventors

DIX, JOSEPH

Latest standardized assignees - inventors removed

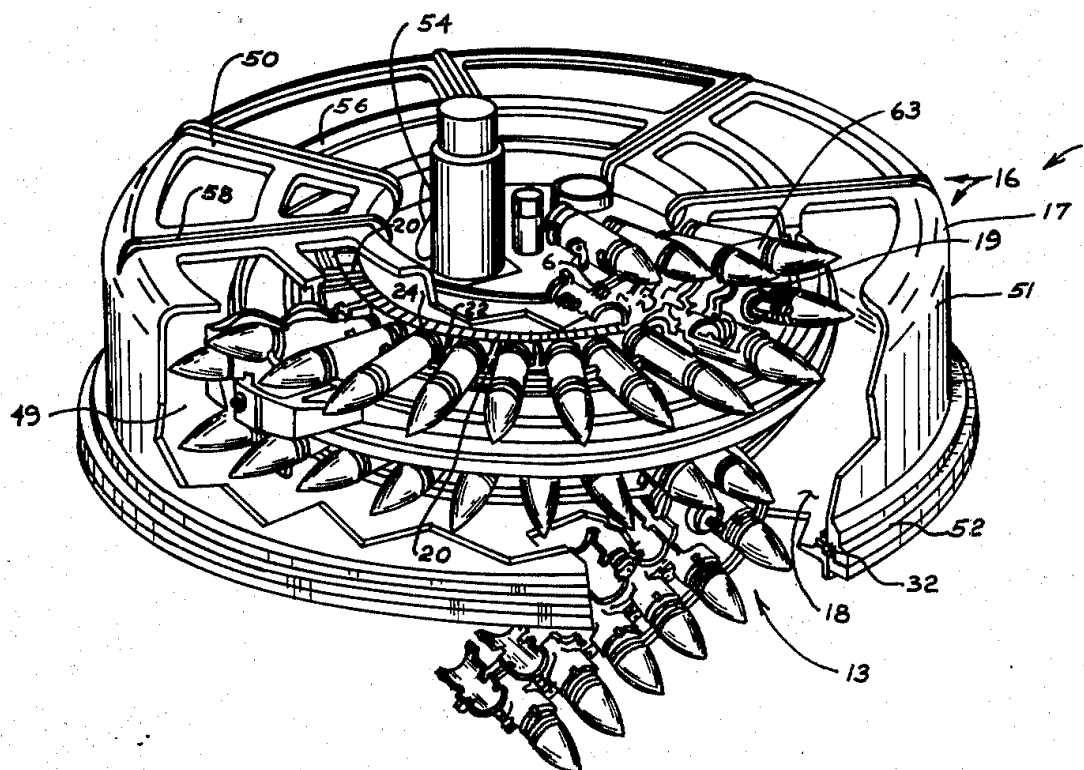
GENERAL DYNAMICS ARMAMENT SYSTEMS

Family 17/25 - FAMPAT - ©Questel

Title

(US3974738)

Rotary differential ammunition reservoir

Images**Publication data including kind & date**[US3974738](#)

A 1976-08-17 US3974738

**Abstract**

(US3974738)

A rapid-fire weapon system having an associated magazine for storing individual rounds and a carrier system for transferring rounds from the magazine to the firing chamber of the weapon is provided with intermediate correlating means for matching the output rate of the magazine with the input rate of the weapon. In the preferred embodiment, the correlating means includes a housing having a movable part and a stationary part. The carrier system from the magazine is

operatively connected to the stationary housing part. The movable housing part is rotatable with the weapon in an azimuth plane. The correlating means has storage means associated with it and differential means for meeting the demand rate of the weapon, which corresponds to the output rate of the device, with any output rate from the magazine, which corresponds to the input rate for the device.

Inventors

MEYER ELWYN A

Latest standardized assignees - inventors removed

EMERSON ELECTRIC

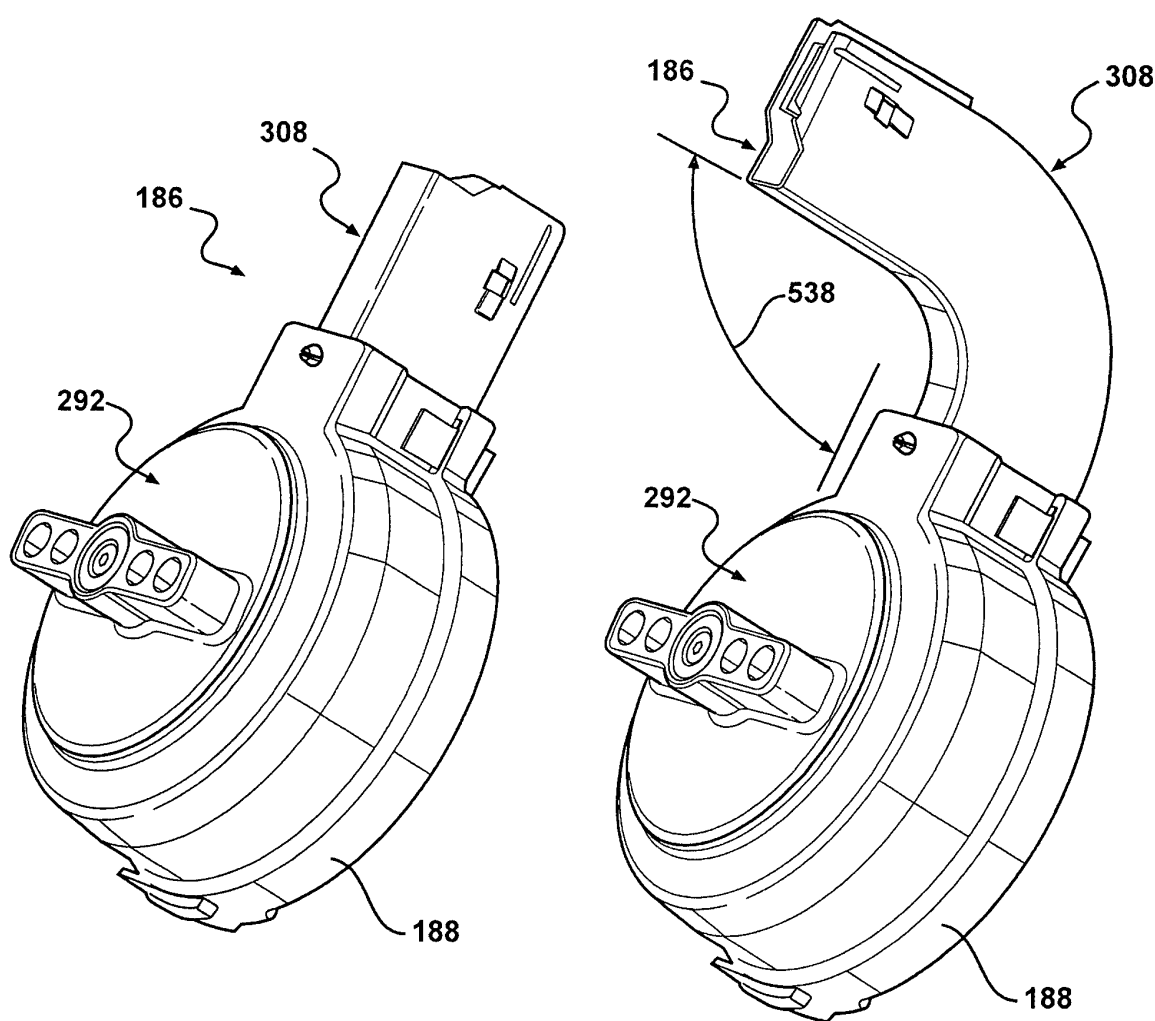
Family 18/25 - FAMPAT - ©Questel

Title

(WO201156236)

Ammunition feed system for firearm

Images



Publication data including kind & date

US8733224	B2	2014-05-27	US8733224
US20140076137	A1	2014-03-20	US20140076137
US8448558	B2	2013-05-28	US8448558
US8220377	B2	2012-07-17	US8220377
WO2011/155971	A1	2011-12-15	WO2011155971
WO2011/056236	A3	2011-09-15	WO201156236
WO2011/056236	A2	2011-05-12	WO201156236



US20110107901	A1	2011-05-12	US20110107901
US20110107902	A1	2011-05-12	US20110107902

**Abstract**

(WO2011/056236)

The present invention is a firearm cartridge feeding system to automatically feed firearm cartridges in a successive order one diameter of a firearm cartridge at a time, to the chamber of a bolt action, semi-automatic, or fully automatic firearm until all firearm cartridges in the system are expended. The firearm cartridges are stored in a tight spiral channel side by side to maximize the use of the peripheral space surrounding the area of a magazine well or feed point of a firearm. The housing or body of the firearm feeding system consists of a multiple segment body or housing. The housing contains a spiral channel, clutch mechanism pocket and a spring drive compartment which supports the storage of firearm cartridges and the arrangement of a drive system for feeding the firearm cartridges to the feed lips.

Inventors

LASICHAK ANDREA J

QUETSCHKE THOMAS E

WOODARD KENNETH D

Latest standardized assignees - inventors removed

MENINAS

Family 19/25 - FAMPAT - ©Questel

Title

(EP-480630)

Ammunition storage system

Images

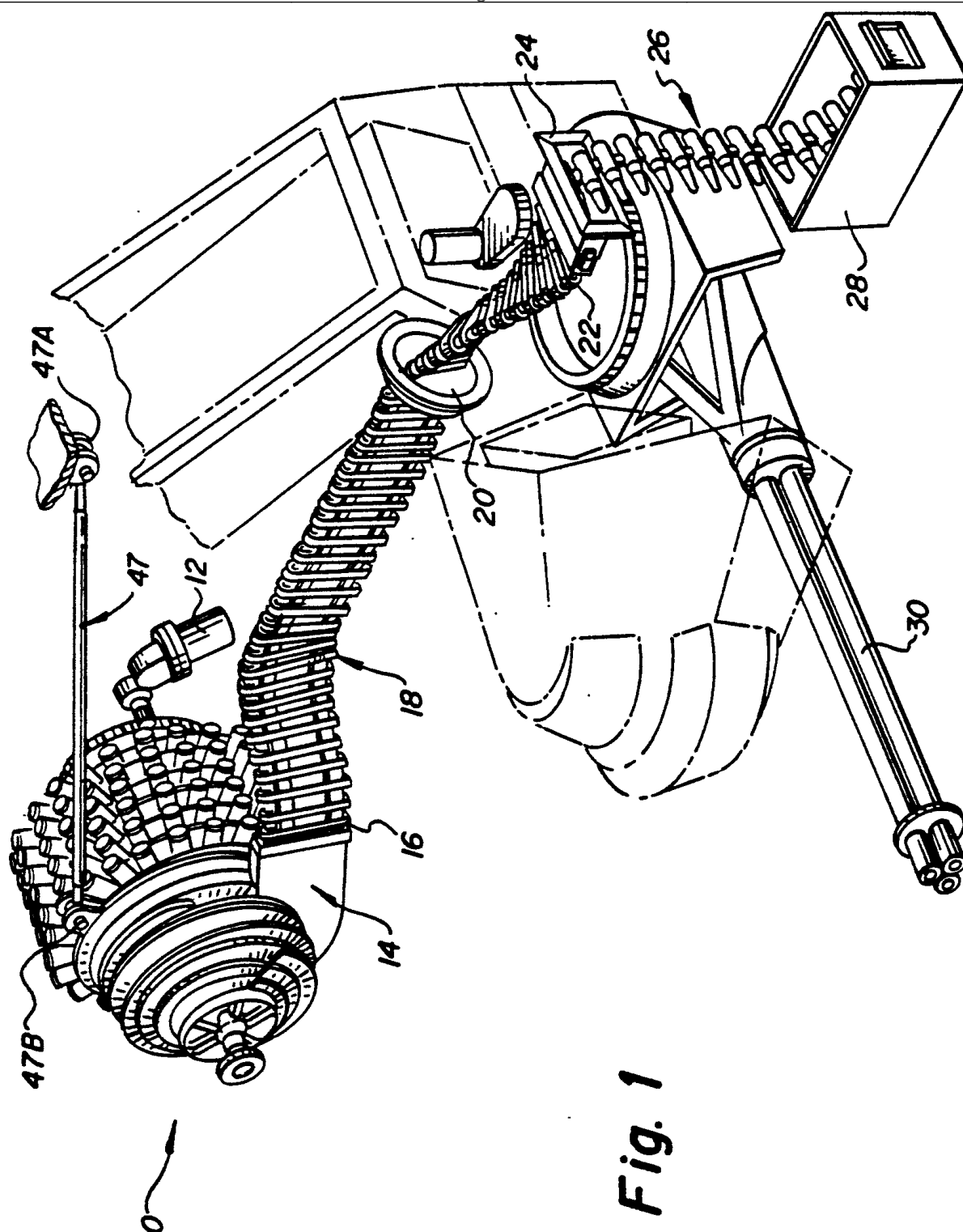


Fig. 1

Publication data including kind & date

JP3115372	B2	2000-12-04	JP3115372
DE69119532	T2	1997-01-16	DE69119532
DE69119532	D1	1996-06-20	DE69119532
EP0480630	B1	1996-05-15	EP-480630
TW241333	B	1995-02-21	TW-241333
IL99533	B	1994-07-31	IL--99533
JP05164497	A	1993-06-29	JP05164497
TR25535	A	1993-05-01	TR--25535
IL99533	A	1992-08-18	IL--99533
KR920008460	A	1992-05-28	KR19920008460
US5111729	A	1992-05-12	US5111729



[EP0480630](#)

A1 1992-04-15 EP-480630

[CA2048802](#)

A1 1992-04-05 CA2048802

**Abstract**

(EP0480630)

A helical storage system 10 for linked ammunition, has no outer drum and only two moving parts, providing positive control of the rounds, low friction, and bi-directional load and unload.

Inventors

TASSIE DOUGLAS PRAY

Latest standardized assignees - inventors removed

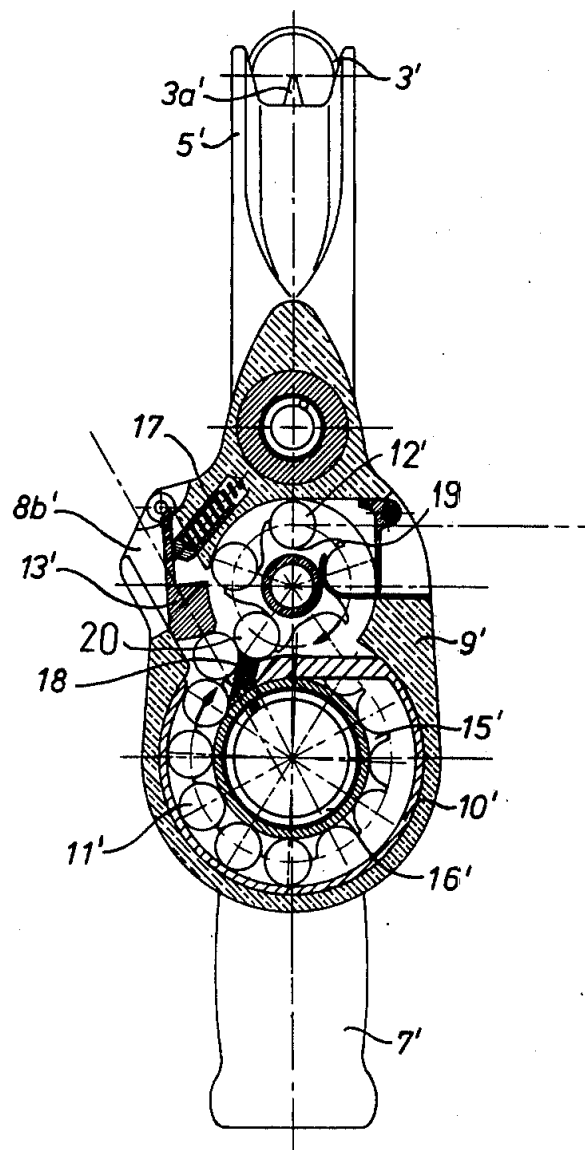
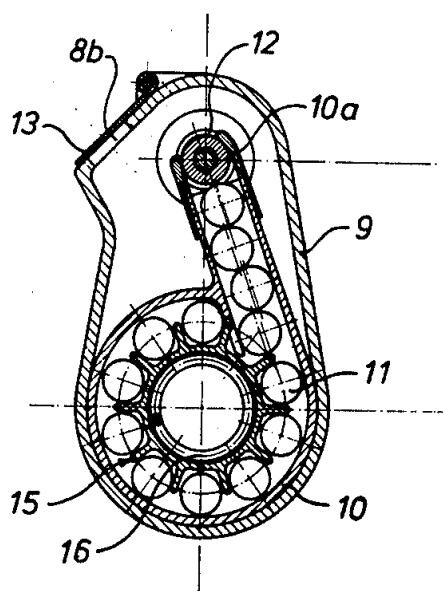
GENERAL DYNAMICS ARMAMENT & TECHNICAL PRODUCTS

Family 20/25 - FAMPAT - ©Questel

Title

(US4034644)

Firearm and magazine construction

Images**Publication data including kind & date**[CH612497](#)

A5 1979-07-31 CH-612497

[DE2427974](#)

C3 1978-11-30 DE2427974

[GB1516892](#)

A 1978-07-05 GB1516892



DE2427974	B2	1978-03-30	DE2427974
US4034644	A	1977-07-12	US4034644
FR2274013	A1	1976-01-02	FR2274013
DE2427974	A1	1975-12-18	DE2427974
NL7506567	A	1975-12-12	NL7506567
IL47444	A	1975-11-25	IL--47444
BE830075	A	1975-10-01	BE-830075

**Abstract**

(US4034644)

A firearm comprises a stock having a barrel mounted thereon for the magazine chamber associated with the stock which has a passage for the cartridges extending between an interior chamber of the magazine and the cartridge chamber associated with the barrel. The magazine is constructed to contain a plurality of cartridges therein for example in an annular arrangement around a rotatable cartridge transport star. The cartridges are arranged in parallel relationship to the magazine chamber and they are moved by the transport mechanism during the firing operation successively into association with the cartridge chamber of the barrel. The magazine is also provided with an opening which provides means for mounting a cartridge clip or carrier so that cartridges may be loaded into the magazine through the opening which is communicable with the chamber in the magazine for the cartridges. In one embodiment, the communication is established by rotating an interior holder arranged within the magazine so as to shift a tangentially extending passage portion which extends from the cartridge chamber in the magazine to the cartridge chamber associated with the barrel into a position in which the passage is aligned with the loading opening rather than with the cartridge chamber of the barrel. In another embodiment, the loading opening communicates upon insertion of the clip directly with an annular cartridge space in the magazine on one side thereof after a cover closing the opening is positioned in a location to block the further upfeed of the cartridges into alignment with the barrel cartridge chamber.

Inventors

HUPP GERHARD

MADER HELMUT

Latest standardized assignees - inventors removed

IWKA - INDUSTRIE WERKE KARLSRUHE

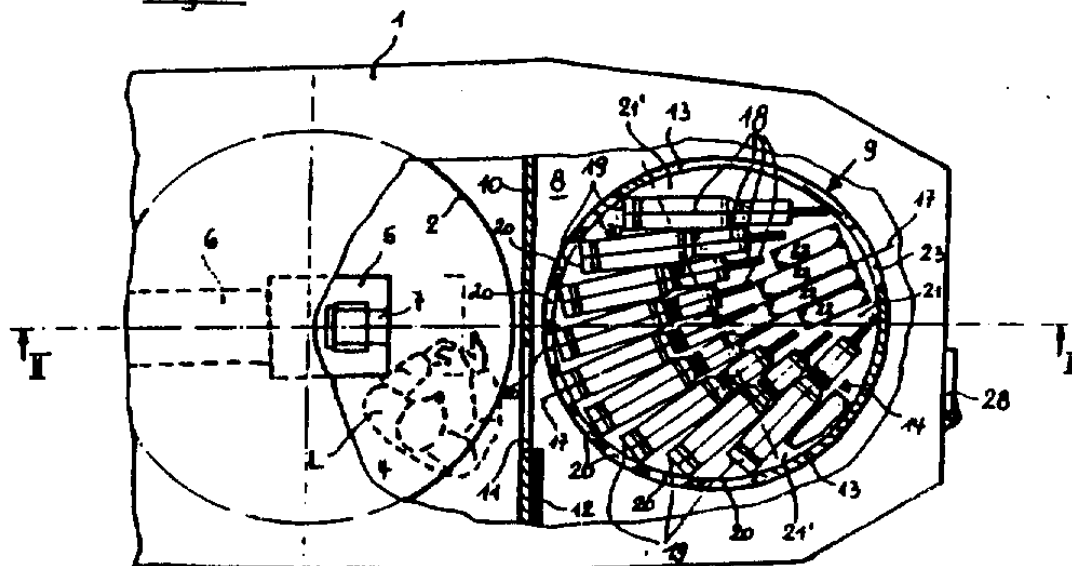
Family 21/25 - FAMPAT - ©Questel

Title

(DE3638894)

Rotary magazine for large-calibre ammunition

Images

Fig. 1**Publication data including kind & date**

DE3638894	C2	1996-06-13	DE3638894
DE3638894	A1	1988-05-19	DE3638894

**Abstract**

(DE3638894)

A rotary magazine for storing and automatically conveying large-calibre ammunition to one or more loading and unloading positions located within a combat vehicle has a platform which can rotate about a rotation axis and on which the ammunition is supported in a direction running at right angles to the rotation axis. In order to obtain a rotary magazine which occupies a small amount of space and has an increased storage capacity for ammunition it is proposed to store the ammunition on the platform in one or more layers, which are located at right angles to the rotation axis, such that the items of ammunition are in each case arranged parallel to one another in a plane essentially at right angles to the rotation axis but having to be arranged with the ammunition axes inclined with respect to one another in accordance with the conicity (coning angle) of the ammunition and with the ammunition bases on a curved contour. <IMAGE>

Inventors

KOTAI FERENC DIPL ING
 ZUREK RUDOLF DIPL ING DR RER N
 PFUNDMAIR ANNA
 PONGRATZ LEONHARD DIPL ING

Latest standardized assignees - inventors removed

KRAUSS MAFFEI

Family 22/25 - FAMPAT - ©Questel

Title

(EP--96376)

Drum-type ammunition magazine

Images

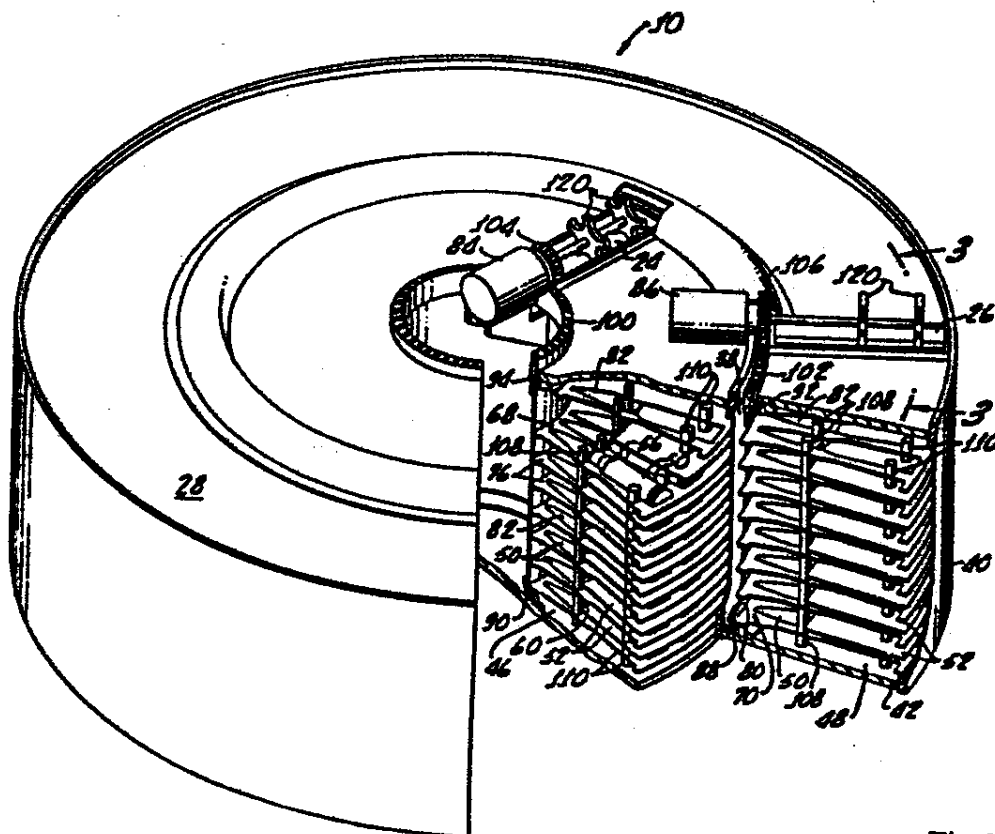


Fig. 2

Publication data including kind & date

DE3373936	D1	1987-11-05	DE3373936
AT30079	T	1987-10-15	ATE030079
EP0096376	B1	1987-09-30	EP--96376
CA1206360	A	1986-06-24	CA1206360
EP0096376	A3	1984-10-17	EP--96376
US4457208	A	1984-07-03	US4457208
EP0096376	A2	1983-12-21	EP--96376

**Abstract**

(EP0096376)

A drum-type ammunition magazine (10) includes a plurality of concentric ammunition bays (46, 48) therein with each bay having disposed therein a plurality of fixed tiered partitions (52) for supporting linkless ammunition and a rotatably mounted ammunition carrier (68, 70) for moving the linkless ammunition within the bays and between the fixed tiered partitions and toward a port (24, 26) communicating with each ammunition bay. The ammunition carriers may be operated independent of each other, enabling storage of a different type of ammunition in each of the ammunition bays.

Inventors

GOLDEN, MICHAEL D.

Latest standardized assignees - inventors removed

WESTERN DESIGN

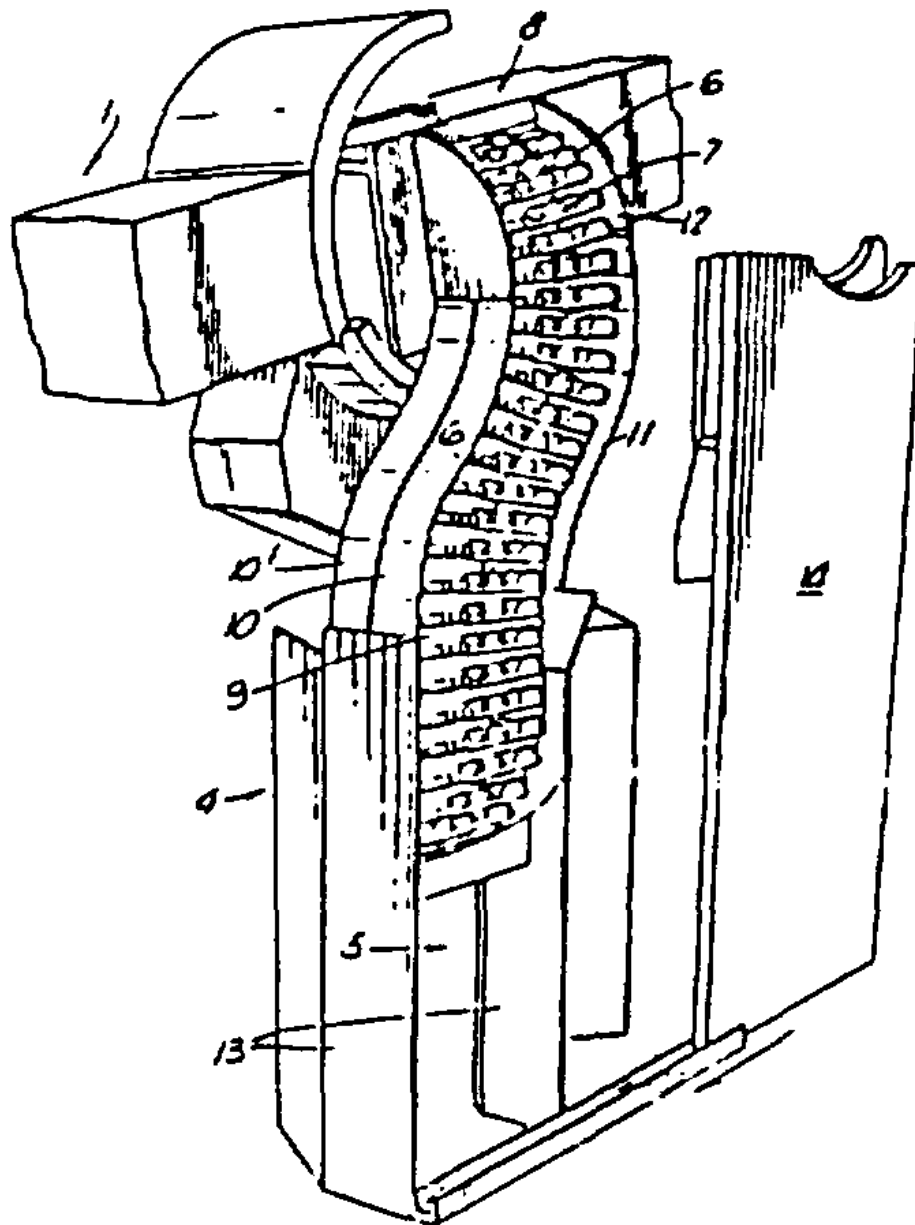
Family 23/25 - FAMPAT - ©Questel

Title

(EP-201276)

A device for conveying linked-together cartridges from a magazine to an automatic gun, especially for use in a gun turret

Images



Publication data including kind & date

DE3667727	D1	1990-01-25	DE3667727
AT48913	T	1990-01-15	ATE048913
EP0201276	B1	1989-12-20	EP-201276
NO157554	C	1988-04-06	NO-157554
NO157554	B	1987-12-28	NO-157554
EP0201276	A1	1986-11-12	EP-201276
NO851791	L	1986-11-07	NO-851791



Abstract

(EP0201276)

A device (4) feeds a belt of cartridges (6) to a weapon (1), the cartridges (6) being linked-together, by central clips (7). The cartridges (6) are automatically pulled up from a magazine and into the weapon (1) by a cartridge mechanism (8). The path is defined by a channel extending between the magazine and the weapon, two guiding side walls (10, 11) of the channel being of a flexible resilient material that is capable of forming a minimal length at all angles of elevation of the weapon (1). The walls (10, 11) engage slidingly at their lower ends with fixed vertical guide plates (13), and are fixed at their upper ends to a holding bracket (12) secured to the cartridge mechanism (8) of the weapon (1).

Inventors

KASIN, TORSTEIN

STRAND, HALLGRIM

Latest standardized assignees - inventors removed

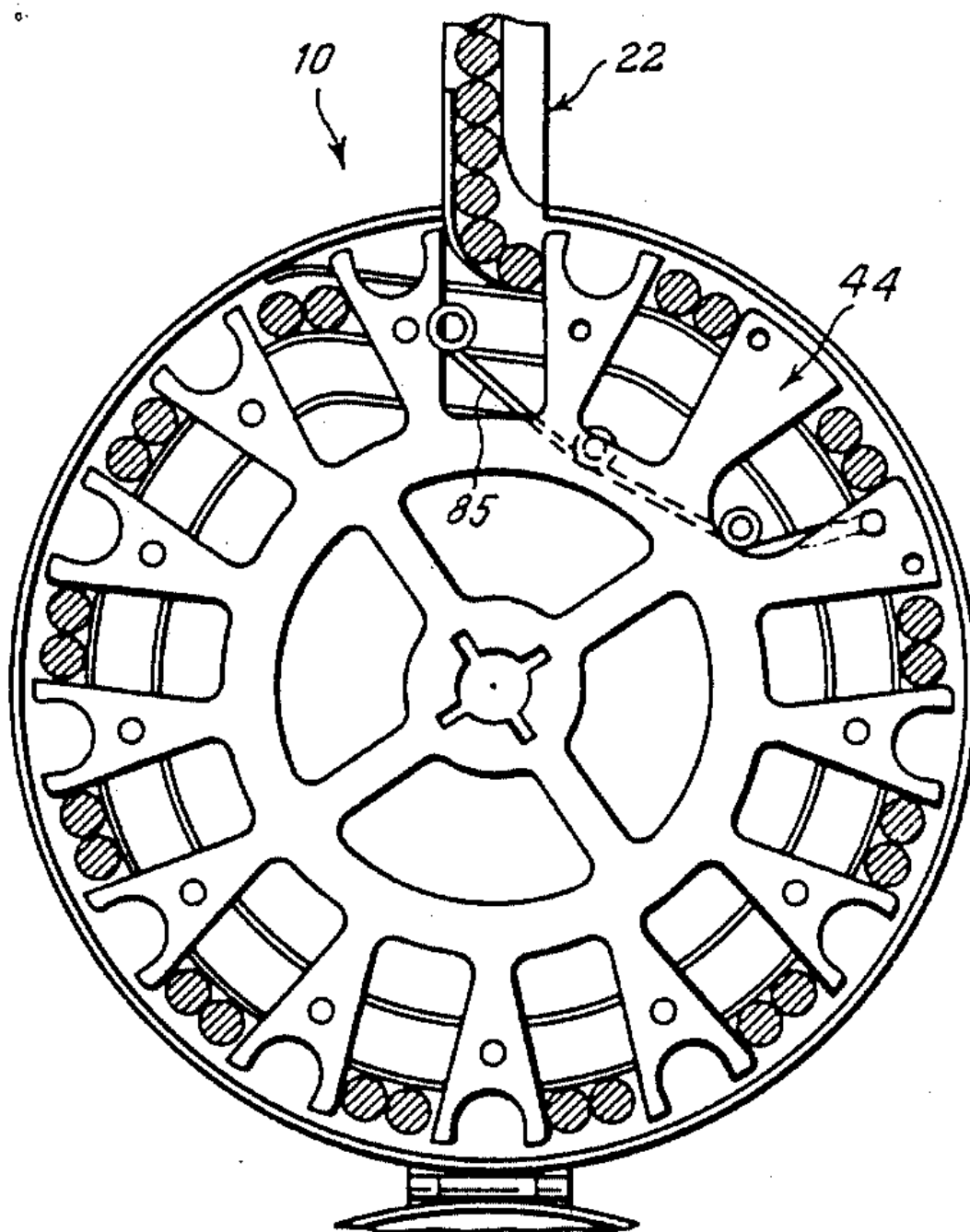
NORSK FORSVARSTEKNOLOGI

Family 24/25 - FAMPAT - ©Questel

Title

(US4745842)

Spiral drum magazine with elongated magazine clip and multiple link last round follower

Images**Publication data including kind & date**

US4926742	A	1990-05-22	US4926742
US4745842	A	1988-05-24	US4745842

**Abstract**

supplying ammunition (13). <IMAGE>

(From GB2149069 A)

Inventors

PANCOTTI SANTINO

BANDERA GIAN LUIGI

Latest standardized assignees - inventors removed

AGUSTA