

Title (en)
FIRING MODULE

Title (de)
SCHIESSMODUL

Title (fr)
MODULE DE TIR

Publication
EP 1483544 A1 20041208 (DE)

Application
EP 03767411 A 20031108

Priority
• DE 0303708 W 20031108
• DE 10258263 A 20021213

Abstract (en)
[origin: WO2004055464A1] The invention relates to a firing module with a housing (1), mounted such as to rotate on a carrier construction (T), in which a heavy weapon (W) is mounted such as to pivot in elevation. The shells (4.11) stored vertically in the shell magazine (4.1) are supplied to the loading tray (5.1) of a shell ram by means of a shell transporter (6), which is arranged on the free end of a shell transfer arm (5). The shell transfer arm (5) can be pivoted from a raised position, in which the loading tray (5.1) is arranged running along the bore centre axis (R) of the weapon into a lowered position in which the shells from the shell transporter are introduced into the essentially vertical loading tray. The shell magazine and the shell transporter are both arranged in the housing in the region in front of the trunnions. At least one propellant magazine (7.1) is arranged in the housing in the region alongside or behind the trunnions. Propellant charges are introduced into the weapon (W) by means of a fully automatically operating propellant charge introduction device, which comprises a pivoting propellant charge introduction tray (8.11) with a propellant ram, in the region behind the weapon (W).

IPC 1-7
F41A 9/16; F41A 9/37

IPC 8 full level
F41A 9/16 (2006.01); **F41A 9/37** (2006.01); **F41A 9/64** (2006.01); **F41A 9/76** (2006.01)

CPC (source: EP US)
F41A 9/16 (2013.01 - EP US); **F41A 9/375** (2013.01 - EP US); **F41A 9/64** (2013.01 - EP US); **F41A 9/76** (2013.01 - EP US)

Citation (search report)
See references of WO 2004055464A1

Cited by
DE102012108832A1; WO2014044255A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004055464 A1 20040701; WO 2004055464 A9 20041125; AT E392596 T1 20080515; DE 10258263 A1 20040708; DE 10258263 B4 20060119; DE 50309631 D1 20080529; EP 1483544 A1 20041208; EP 1483544 B1 20080416; ES 2304533 T3 20081016; US 2006162541 A1 20060727; US 7159504 B2 20070109; ZA 200408183 B 20051130

DOCDB simple family (application)
DE 0303708 W 20031108; AT 03767411 T 20031108; DE 10258263 A 20021213; DE 50309631 T 20031108; EP 03767411 A 20031108; ES 03767411 T 20031108; US 53078705 A 20050408; ZA 200408183 A 20041011