

## Title (en)

Device for an optical fiber when starting a missile

## Title (de)

Vorrichtung für einen Lichtwellenleiter beim Start eines Flugkörpers

## Title (fr)

Dispositif pour un guide optique pour le démarrage d'un corps volant

## Publication

**EP 1887307 A2 20080213 (DE)**

## Application

**EP 07015057 A 20070801**

## Priority

DE 102006037332 A 20060810

## Abstract (en)

The device for optical transmitter of a missile for transmission of master signal, comprises a support mounted for the transmitter (5), which is surrounded within a launcher (2) by a telescope-like tubular device (6), whose first end completely surrounds a coil (3) secured on stern of the missile (1) and second end is secured to the stern of the missile by a separatable fastener. The transmitter is arranged in the launcher up to ignition of its engine. The tubular device has concentric tube sections lying with one another, and a flat spiral spring. The device for optical transmitter of a missile for transmission of master signal, comprises a support mounted for the transmitter (5), which is surrounded within a launcher (2) by a telescope-like tubular device (6), whose first end completely surrounds a coil (3) secured on stern of the missile (1) and second end is secured to the stern of the missile by a separatable fastener. The transmitter is arranged in the launcher up to ignition of its engine. The tubular device has concentric tube sections lying with one another, and a flat spiral spring, which is prestressed between the stern of the missile and rear end of the launcher. The tube sections are spring loaded and prestressed between the stern of the missile and rear end of the launcher and are arranged above the starting of the missile. The second end of the tubular device is secured to the stern of the missile by a separatable fastener. The length of the tubular device is larger or equal to the length of the interior area of the launcher.

## Abstract (de)

Der Lichtwellenleiter (5) eines Flugkörpers (1) ist von einer sich teleskopartig verlängernden rohrförmigen Vorrichtung (6) umgeben, deren erstes Ende (7) im Bereich der am rückwärtigen Ende (12) der Abschussvorrichtung (2) montierten ersten Spule (3) befestigt ist und deren zweites Ende (8) beim Start des Flugkörpers aufgrund einer Vorspannung an dessen Heck (9) bis etwa zum äußeren Ende der Abschussvorrichtung anliegt.

## IPC 8 full level

**F42B 15/04** (2006.01)

## CPC (source: EP)

**F42B 15/04** (2013.01)

## Citation (applicant)

- DE 1578073 A1 19710422 - MESSERSCHMITT BOELKOW BLOHM
- DE 68907257 T2 19931216 - AEROSPATIALE [FR]
- US 4974793 A 19901204 - PINSON GEORGE T [US]

## Cited by

EP4343266A1

## Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

## Designated extension state (EPC)

AL BA HR MK YU

## DOCDB simple family (publication)

**EP 1887307 A2 20080213; EP 1887307 A3 20100210; EP 1887307 B1 20111012;** AT E528611 T1 20111015; DE 102006037332 A1 20080214; DE 202006020409 U1 20080717; NO 20074123 L 20080211; NO 339592 B1 20170109

## DOCDB simple family (application)

**EP 07015057 A 20070801;** AT 07015057 T 20070801; DE 102006037332 A 20060810; DE 202006020409 U 20060810; NO 20074123 A 20070809