

Title (en)
PYROTECHNICAL CHAIN FOR IGNITING A MAIN PROPULSION CHARGE FOR A MISSILE

Title (de)
PYROTECHNISCHE KETTE ZUR ZÜNDUNG EINER HAUPTANTRIEBSLADUNG FÜR EINE RAKETE

Title (fr)
CHAÎNE PYROTECHNIQUE D'ALLUMAGE D'UNE CHARGE PRINCIPALE DE PROPULSION D'UN MISSILE

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Application
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Abstract (en)
[origin: WO2009001000A2] The firing chain of the invention includes an arming device (40) mobile between a rest, or "non-armed," position and an active, or "armed," position in response to the ejection of the missile, first and second locking members (14, 16) for locking the arming device respectively in a rest position and an active position, an arming pyrotechnical retarder (22), a squib (26) adapted to be ignited at the ejection of the missile and for igniting the arming retarder and releasing the first locking member (14) in order to allow the arming device to be switched into an active position, and a trajectory pyrotechnical retarder (32) different from the arming retarder. A first relay charge (29) is adapted to be ignited at the end of the combustion of the arming retarder and to trigger the ignition of the trajectory retarder and the actuation of the second locking member (16) for locking the arming device in an active position if it is in that position, and a second relay charge (34) is adapted to be ignited at the end of the combustion of the trajectory retarder and to trigger the ignition of the main charge if the arming device is in the active position.

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