Title (en)

Fire weapon control system including safety means

Title (de)

Feuerwaffensteuersystem mit Sicherheitsvorrichtung

Title (fr)

Système de commande d'une arme à feu muni d'un dispostif de sécurité

Publication

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Application

EP 99810350 A 19990426

Priority

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Abstract (en)

A fire weapon control system including safety means for preventing firing of the weapon by an unauthorized user. The system comprises a weapon having a weapon control means including a reader (23) lodged in a hollow part of the weapon handle (24), said reader comprising a transceiver composed of signal transmitter means and signal receiver means, the output of the receiver means being used to control the position of the safety means (27), which have a normally disarmed position and an armed position and which are adapted for being moved from the normally disarmed position to said armed position in response to a signal from the signal receiver means. The system further comprises a user identification element (15) adapted to be worn by a user of the weapon, said element having a transponder (14) adapted to receive a signal from said transmitter means, said transmitter means in the weapon being adapted to elicit a response from the transponder (14) of the user identification element (15). The transponder (14) of the user identification element (15) is adapted to receive a signal from said transmitter means in the weapon and to generate a transponder signal back to the weapon. The receiver means in the weapon have a recognition means responsive to at least one coded identification carried by the transponder signal, and a means for generating an output signal to operate said safety means (27) for release of the safety means to the armed position. In order to reduce the size, cost and energy consumption of the transceiver and in order to improve the performance and reliability of the weapon control system, the receiver means thereof have an amplitude shift keying demodulator (62) for demodulating the transponder signal sent to the weapon. <IMAGE>

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CPC (source: EP)

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Citation (applicant)

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DOCDB simple family (application)

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