

Title (en)

Programmable integrated detonator delay circuit.

Title (de)

Programmierbare integrierte Schaltung zur Detonationsverzögerung.

Title (fr)

Circuit intégré et programmable pour l'allumage des détonateurs à retard.

Publication

EP 0588685 A1 19940323 (FR)

Application

EP 93402166 A 19930906

Priority

FR 9211111 A 19920917

Abstract (en)

In the control process, the programming unit (18), once the programming of ignition modules has taken place, transmits the likewise programmed delay times to the firing control unit (17). The firing control unit (17) can simultaneously interrogate the ignition modules (15) which return the required information to it. The coded firing control assembly and the coded ignition modules make it possible to carry out the process. <IMAGE>

Abstract (fr)

Dans le procédé de commande, l'unité de programmation (18) transmet, une fois la programmation de modules d'allumage réalisée, les temps de retard programmés également à l'unité de commande de tir (17). L'unité de commande de tir (17) peut interroger simultanément les modules d'allumage (15) qui lui renvoient les informations demandées. L'ensemble codé de commande de tir et les modules d'allumage codés permettent la mise en oeuvre du procédé. <IMAGE>

IPC 1-7

F42D 1/055

IPC 8 full level

F42D 1/055 (2006.01)

CPC (source: EP US)

F42D 1/055 (2013.01 - EP US)

Citation (search report)

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EP 0588685 A1 19940323; EP 0588685 B1 19970730; DE 69312609 D1 19970904; DE 69312609 T2 19980108; ES 2105166 T3 19971016; FR 2695719 A1 19940318; FR 2695719 B1 19941202; US 5520114 A 19960528

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