

Title (en)

PERFORATION GUN SYSTEM PRODUCING SELF-CLOSING PERFORATION HOLES

Title (de)

PERFORATIONSKANONENSYSYSTEM MIT SELBSTVERSCHLIESSENDEN DURCHSCHUSSLÖCHERN

Title (fr)

SYSTEME DE CANON DE PERFORATION PRODUISANT DES TROUS DE PERFORATION A OBTURATION AUTOMATIQUE

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Application

EP 04765481 A 20040922

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Abstract (en)

[origin: WO2005033472A1] The invention relates to a perforation gun comprising an external gun barrel (1) in the interior of which perforators (10) are located which can be ignited via a fuse (11) extending through the gun barrel (1) and which, after ignition, pierce the gun barrel (1) with perforation holes (13), whereby means are provided which automatically close the perforation holes (13). According to an embodiment of the invention, the means for automatically closing the perforation holes comprise cartridges including a swellable two-component foam. Said cartridges are located inside the gun barrel (1) and can be broken up by the ignited fuse (11), thereby allowing foam to escape from the cartridges, allowing it to swell and obliterate the perforation holes (13). If the means for automatically closing the perforation holes (13) comprise a sliding tube (4) that can be displaced after perforation by an adjusting device by at least the diameter of the perforation hole (13), the sliding tube (4) is located coaxially between the perforators (10) and the gun barrel (1).

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Citation (search report)

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