

Testing of air-deployable incendiary devices for igniting oil on water

Canada Environmental Impact Control Directorate - US4422383A

Description: -

Acronym	Long Title
A/C/C	No. 3 Air Control Centre
ACM	Attack Commander
ADM	Second OOD
ADM	Second Officer
ADM	Second Officer (Plane Leadership)
ADM (PMS)	Second Commander (Personnel Management)
ADM	Second Officer (Personnel Management)
ADM	Second in Command
ADM	Second Permanent
ADM	Second in Command Under Secretary of State
ADM	Second in Command Under Secretary of State
ADM/OCN	Second in Command in Chief Naval Home Command
ADM	Third in Command
ADM	Third in Command
ADM	Third Party Nationals
ADM	Commodity Credit Corporation Communication Control
ADM	Fourth Generation Language
ADM	Advanced Manufacturing
ADM/AV	Advanced Air Electronics Workforce
ADM	Advanced Manufacturing Workforce
ADM/ER	Ammunition and Explosives Regulation
ADM/P	Activity & Resource Planning
ADM	Advanced Advanced Suppression
ADM	Advanced Advanced Suppression
ADM	Air Ground
ADM	Air Ground
ADM	As Required
ADM	As Required
ADM or AS	Anti Submarine
ADM	Advanced Anti Submarine Systems Trainer
ADM/PG	Acquisition & Site Group
ADM	Advanced Advanced Acquisition Initiative
ADM	Advanced Advanced Architectures and Packaging
ADM	Administrative Assistant
ADM	Administrative Assistant
ADM	Administrative Assistant
ADM	Air Attack
ADM	Air Attack
ADM	Air Attack
ADM	Anti Aircraft
ADM	Anti Aircraft Artillery
ADM	Anti Aircraft Artillery
ADM	Reform Anti-Aircraft Defense

Domestic relations -- Canada -- Cases.

Agricultural credit -- United States

World War, 1939-1945 -- Food supply -- United States

Bounties

Commodity Credit Corporation

Oil pollution of water

Petroleum -- Combustion

Oil spillsTesting of air-deployable incendiary devices for igniting oil on water

Environmental Protection Service report series

Technology development report -- EPS 4-EC-78-11Testing of air-deployable incendiary devices for igniting oil on water

Notes: Abstract also in French.

This edition was published in 1978



Filesize: 69.49 MB

Tags: #Fundamentals #of #Fire #Investigation

How to make Napalm (recipe for simple homemade napalm)

Translated from Japanese, Journal of Fire Safety Science, Volume 1, pp.

US3951068A

In situ burning as an oil spill response technology. The and used napalm with great effect against all kinds of targets to include , , buildings, jungles, and even railroad tunnels.

US3951066A

Proceedings of the 1975 Oil Spill Conference, March 25-27, San Francisco, California.

US4422383A

In oil company initiatives, Dome Petroleum has been a leader in the Beaufort Sea region.

The use of combustible metals in explosive incendiary devices (Conference)

Polycyclic aromatic hydrocarbon emissions from the combustion of crude oil on water.

US3951066A

The perforated pellet 36 could suitably be made of the same combination of a combustible and oxidizing agent as described for the main body 34, or even a less sensitive incendiary charge, for example, it may advantageously be made of a thermite composition such as aluminum and iron oxide, as the small units having the main body filled with my preferred mixture will readily ignite thermite. The size and time considerations are interlinked

with the type of material suspected of involvement.

M47 bomb

Figure 3's shows another form of my invention, in which the inflammable body 37 is made so thick that it serves the same purpose as the pellet 36 shown in Figure 1, intensifying the heat and flame of the combustion. The delay is mainly for safety purposes to permit sufficient release time, and to permit the device to self-right and allow water surface conditions to recover from rotor downwash effects if the aircraft employed is a helicopter.

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The foam material thus serves the dual purpose of flotation means and shock absorber to absorb the shock at impact following air-deployment. While the size and duration of flame resulting from one of these units is more than enough to ignite readily combustible matter, the intensity can be greatly increased by the use of perforated powder pellets 36' of any size or shape desired, into' which these small units would be tightly inserted just before distribution.

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