

Title (en)
PROCESS AND DEVICE FOR FIGHTING FIRES FROM THE AIR

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BRANDBEKÄMPFUNG AUS DER LUFT

Title (fr)
PROCEDE ET DISPOSITIF DE LUTTE AERIENNE CONTRE DES INCENDIES

Publication
EP 0785809 A1 19970730 (DE)

Application
EP 96938907 A 19960813

Priority
• DE 9601510 W 19960813
• DE 19529868 A 19950814

Abstract (en)
[origin: WO9706858A2] A container with a wall capable of bursting (in particular a drop-shaped or bubble-shaped bag made of a thin plastic film) and filled with extinguishing water is used to fight fires from the air, in particular forest fires. A bursting charge with a fuse is arranged inside the extinguishing water. The bag is brought to the fire source by a helicopter. The bursting charge is then ignited closely above the fire source, spraying the extinguishing water into a misty cloud of microscopic droplets that abruptly extinguishes the fire source. The bag is preferably dropped by the helicopter at a higher level above the fire source and the bursting charge is ignited during its free fall shortly before the bag hits the fire source, either by remote radio control or by means of a time fuse that can be adjusted to a predetermined height. The time fuse may be activated at the same time as the bursting bag is dropped from the helicopter by an igniting source located in the helicopter and linked to the time fuse by an igniting cable that is detachable from the helicopter.

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