

Title (en)

METHOD FOR MINIMIZING DETONATION DAMAGE TO A WATERCRAFT

Title (de)

VERFAHREN ZUR MINIMIERUNG EINES DETONATIONSSCHADENS AUF EINEM WASSERFAHRZEUG

Title (fr)

PROCÉDÉ POUR RÉDUIRE AU MINIMUM LES DOMMAGES DE DÉTONATION SUBIS PAR UNE EMBARCATION

Publication

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Application

**EP 21703655 A 20210204**

Priority

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Abstract (en)

[origin: WO2021160498A1] The invention relates to a method for minimizing damage to a watercraft (10). The method has the following steps: a) providing the watercraft (10) and a database (20), wherein the watercraft (10) has areas  $R_n$ , the database (20) contains time information  $t_{Ri}$  for at least one area  $R_i$ , and the time information  $t_{Ri}$  is the time required to produce a liquid mist in the area  $R_i$  to which said time information  $t_{Ri}$  is assigned, b) detecting and locating a threat in the form of a flying object (80), c) ascertaining the movement of the flying object (80), d) ascertaining the collision location between the flying object (80) and the watercraft (10), e) ascertaining the area  $R_i$  of the watercraft (10) which adjoins the collision location, f) ascertaining the time information  $t_{Ri}$  for said area  $R_i$  from the database (20), g) ascertaining the point in time  $t_0$  at which the flying object (80) has reached a position where the remaining flight time to the collision location corresponds to the time information  $R_i$ , and h) starting the process of generating a liquid mist in the area  $R_i$ , at the point in time  $t_0$  or  $t_0 - \Delta t_0$ , where  $\Delta t_0$  is a specified tolerance time interval.

IPC 8 full level

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