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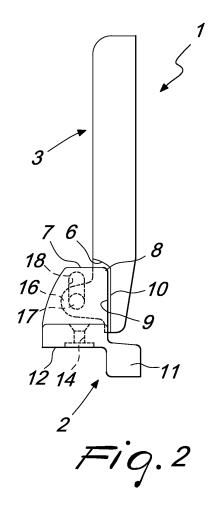
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(54) Self-locking safety hinge, particularly for opening and closing a hatch

A self-locking safety hinge for opening and closing a hatch, comprising a first fixed element (2). A second movable element (3) is jointly connected to the hatch and is coupled to the first element (2) so that it can rotate. Members (4) for articulation between the first element (2) and the second element (3) can be actuated manually and selectively from a free rotation configuration, in which the hatch can be moved from an open position to a closed position and vice versa, to a safety configuration, in which the hatch is locked stably in the open position by way of retention means (5). The retention means (5) comprise at least one profile (6) formed by the second element (3) and at least one contact surface (7) which ends with at least one rear bevel (8) provided on the first element (2). When the articulation members (4) are in the safety configuration, the profile (6) abuts substantially against the bevel (8) of the contact surface (7). When the articulation members (4) are in the free rotation configuration, the profile (6) is substantially spaced from the contact surface (7). The retention means comprise at least one first wall (9) on the second element (3) which can engage the bevel (8), the bevel (8) having a curvature which is adapted for the automatic lifting of the hatch by sliding the first wall (9) on the bevel (8), as a consequence of manual traction of the hatch in the closure direction from the safety configuration.





EUROPEAN SEARCH REPORT

Application Number EP 08 15 5101

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Category	Citation of document with ir of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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	The present search report has	been drawn up for all claims Date of completion of the search		Examiner
Munich		23 June 2009	von	Mittelstaedt, A
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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