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(71) Applicant: **Elkhuizen, Edwin Constant Frederik**
2641 WD Pijnacker (NL)

(72) Inventor: **Elkhuizen, Edwin Constant Frederik**
2641 WD Pijnacker (NL)

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(54) **Armoured rose to prevent break-ins**

(57) The invention concerns an armoured rose (3) for a vehicle door handle (1) with the objective of preventing break-ins into vehicles using a screwdriver or similar object forcibly inserted between the door handle and the door, which can be used to defeat the latching

system of the door. The armoured (3) has a midled depression (3a) such that the rose (3) fits closely around and under the door handle (1) at the latching system (1a), and also has an opening (3b) which fits closely around the latching system (1a) of the door handle (1).

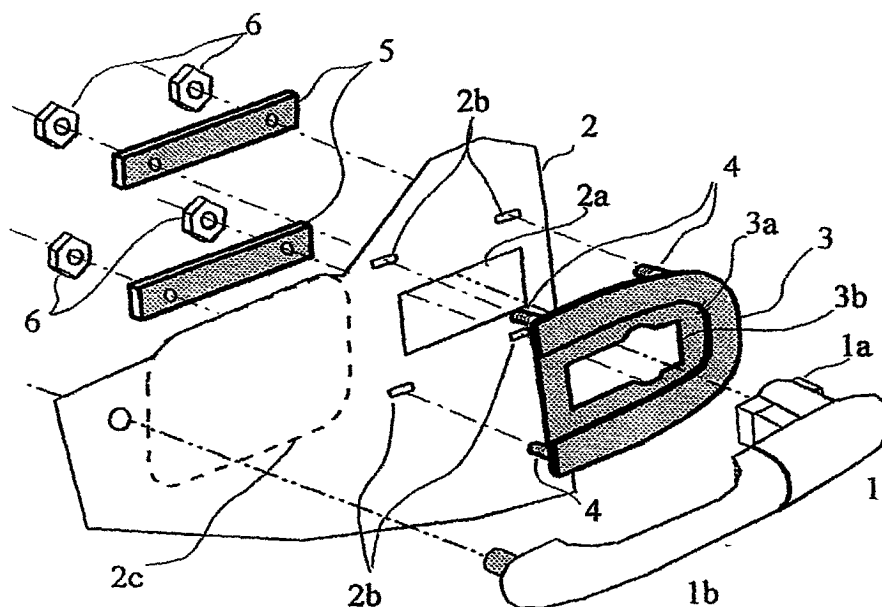


Fig-1

Description

[0001] The invention concerns an armoured rose for a vehicle door handle with the objective of preventing a straightforward, and therefore common, way of breaking into vehicles.

[0002] A number of vans can easily be broken into as the coachwork around the door handle provides insufficient protection. A screwdriver or similar object can easily be used to defeat the door latch by forcibly inserting the screwdriver between the door handle and coachwork, bending the coachwork in that area, and thereby accessing the latching mechanism of the door handle.

[0003] The objective of the invention is to prevent the above method of breaking in. This is achieved by installing an armoured rose under and around the door handle.

[0004] The invention will be described using the following figures.

Figure 1 shows an exploded view of the assembly consisting of the door handle (1) with latching system (1a) and handle (1b), the armoured rose (3), secured around the door handle (1) in front of the latching system (1a) of the door handle (1) on the door (2), around the opening (2a) in the partly shown coachwork (2) using four threaded rods fixed by welding (4), two fixing strips (5) and four nuts (6). Four small slotted apertures (2b) are made in the coachwork (2) for this purpose. The dashed line (2c) indicates the depression for the handle (1b) in the vehicle door.

Figure 2 shows a cross-section of the assembled armoured rose protection for the door handle (1) with the latching system (1b), at a right angle to the coachwork (2) and at a right angle to the door handle (1). The armoured rose (3) which is secured on the inside of the coachwork panel (2) around the aperture (2a) using four threaded rods (4) welded to the armoured rose (3), two fixing strips (5) and four nuts (6).

[0005] At the location of the door handle (1) the armoured rose (3) is accurately milled to create a depression (3a) corresponding to the shape of the door handle (1). The depression (3b) in the armoured rose (3) fits closely around the latching system (1a).

[0006] By installing the armoured rose (3) between the door handle (1) and the coachwork panel (2), the interior of the door close to the latching system (1a) is no longer easily accessible from the exterior, and a break-in employing the described method, using a screwdriver or similar object is no longer possible.

[0007] The armoured rose according to this invention is not limited to the embodiments shown in the figures and described above. Several variations are possible within the scope of the invention.

[0008] For example, the shape, material, fixing meth-

od and dimensions of the various described elements of the invention can be varied freely.

[0009] The invention is not limited in its use in other situations or applications.

Claims

1. Armoured rose for a door handle of a vehicle door with the characteristic that the armoured rose (3) has a milled depression (3a) such that the armoured rose (3) fits closely around and under the door handle (1) at the latching system (1a), and which rose also has an opening (3) which fits closely around the latching system (1a) of the door handle (1).
2. Armoured rose for a door handle of a vehicle door according to claim 1, **characterised in that** the armoured rose (3) is fitted with four threaded rods (4) for securing the armoured rose (3) on the interior of the coachwork panel (2) using two fixing strips (5) and four nuts (6).

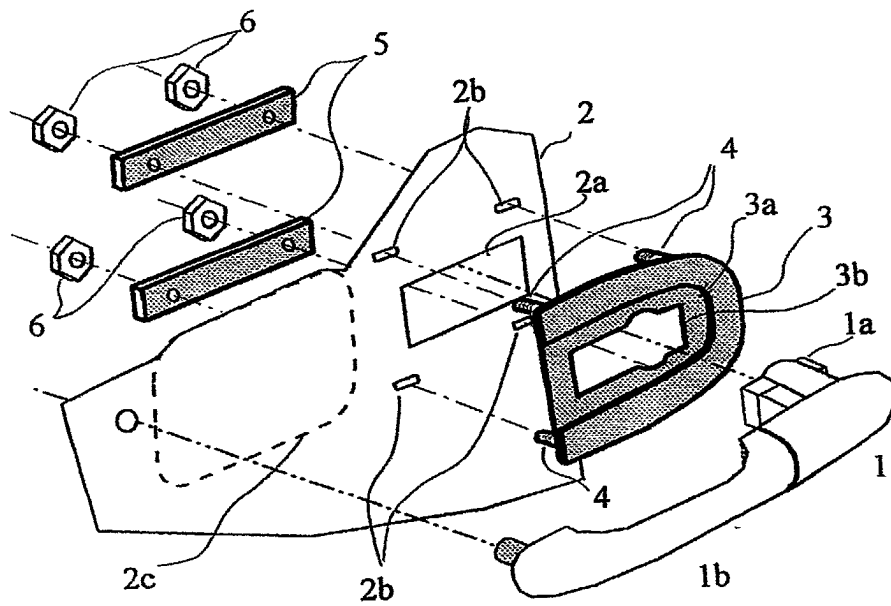


Fig-1

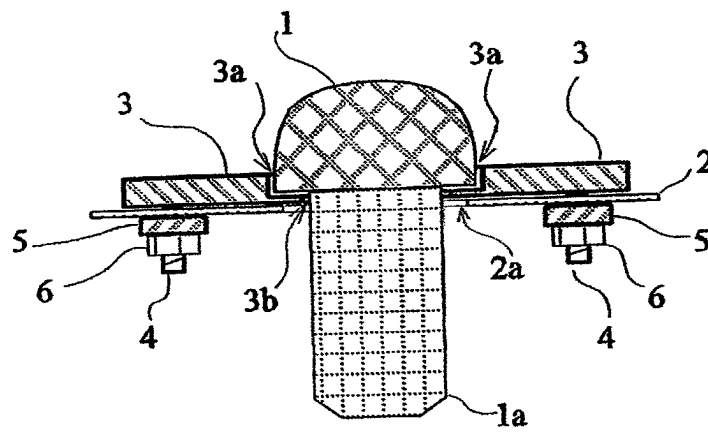


Fig-2



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EUROPEAN SEARCH REPORT

Application Number
EP 02 07 8151

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 619 123 A (HILL) 28 October 1986 (1986-10-28) * abstract; figures *	1	E05B65/20 E05B15/16 E05B17/20
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E05B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 14 November 2002	Examiner Vacca, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 07 8151

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The members are as contained in the European Patent Office EDP file on
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14-11-2002

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