

Title (en)
CONCEALED HINGE

Title (de)
VERBORGENES SCHARNIER

Title (fr)
CHARNIÈRE DISSIMULÉE

Publication
EP 3610108 A1 20200219 (EN)

Application
EP 18721856 A 20180409

Priority
• IT 201700041649 A 20170413
• IB 2018052446 W 20180409

Abstract (en)
[origin: WO2018189643A1] Described is a concealed hinge (1) for opening doors relative to a frame, the hinge (1) comprising: a first support (2) fixable to a first of the door and the frame, a second support (3) fixable to a second of the door and the frame, a means (4) for connecting the first support (2) with the second support (3), the connecting means (4) being pivoted on the first support (2) to rotate about a first axis of rotation (101) and on the second support (3) to rotate about a second axis of rotation (102), a locking element (9) movable in a respective guide (14) and controlled in the movement by the connecting means (4), the guide (14) comprising at least a first portion (12) and a second portion (13) adjacent to each other and having different directions to each other, means (7) for constraining the second support (3) relative to the connecting means (4), the constraining means (7) being connected to the connecting means (4), wherein the movement of the locking element (9) by the first portion (12) to the second portion (13) having different directions allows a relative movement between the constraining means (7) and the locking element (9) to release the constraining means (7) from the second support (3) and allow rotation of the second support (3) relative to the second axis of rotation (102) and lock the rotation of the connecting means (4) relative to the first axis of rotation (101).

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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