Title (en)
   HINGE FOR MOUNTING IN AN OPENING

Title (de)
   SCHARNIER ZUR MONTAGE IN EINEM DURCHBRUCH

Title (fr)
   CHARNIERE A MONTER DANS UNE OUVERTURE

Publication
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Application
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Abstract (en)
   [origin: WO2005071198A1] The invention relates to a hinge (10) comprising at least one hinge element (16) that can be mounted in an opening (12) in a thin wall (14), such as a sheet metal cupboard door. Said hinge comprises a head part (28), such as a flange or a hinge leaf, covering the edge (24) of the opening (12) of the thin wall (14) on the (outer) side (26) thereof, a body part (30) that extends from the head part (28) and can be inserted through the opening (12) in the thin wall (14), and a holding part (34) that is carried by the body part (30), supported on the other (rear) side (32) of the thin wall (14), and separated from the body part. Said holding part (34) consists of holding elements (36) that project from the body part (30) towards the outer surface thereof in a flexible manner, and the free end of said holding elements has an inclined surface (38) for supporting the body part (30) on the edge (40) of the opening (12) in such a way that there is no play.

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Cited by
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