

Title (en)

A hinge having five degrees of freedom

Title (de)

Scharnier mit fünf Freiheitsgraden

Title (fr)

Charnière ayant cinq degrés de liberté

Publication

EP 2955306 A1 20151216 (EN)

Application

EP 14172450 A 20140613

Priority

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Abstract (en)

The present invention relates to a hinge having five degrees of freedom for adjustment of a door leaf or a window leaf, said hinge allowing transitional movement in three axes (X,Y,Z) and rotational movement around two axes (X, Y). Said hinge comprises a first hinge element, a second hinge element, a hinge pin for connecting said hinge elements to each other, an adjustment plate attached to said first hinge element, a first channel on said first hinge, an asymmetric first adjustment element which is attached to said adjustment plate and which is guided in the first channel such that said asymmetric first adjustment element provides mobility in one axis (+/- Z) when rotated. Said hinge further comprises, an asymmetric second adjustment element provides transitional movement in one axis (+/- X) and rotational movement around one axis (Y) when rotated, at least one hole on said first hinge element, and at least one third adjustment element which is guided in said at least one hole and which provides transitional movement in one axis (+/- Y) and rotational movement around one axis (X) when rotated.

IPC 8 full level

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CPC (source: EP)

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E05Y 2201/638 (2013.01); **E05Y 2800/268** (2013.01)

Citation (applicant)

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Citation (search report)

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CN113719207A

Designated contracting state (EPC)

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