

Title (en)
Articulation.

Title (de)
Gelenk.

Title (fr)
Articulation.

Publication
EP 0124838 A2 19841114 (DE)

Application
EP 84104790 A 19840428

Priority
US 49169383 A 19830505

Abstract (en)
[origin: US4501045A] A self-locking hinge is disclosed for pivotally attaching a door to a frame member. The hinge includes first and second hinge members which are pivotally joined together by a pin. A socket is formed in the first hinge member which is designed to receive a detent mechanism. The detent mechanism has at least one tooth formed on its lower surface which will engage a complimentary notch formed on the upper surface of the second hinge member upon rotation of the first hinge member relative to the second hinge member. The tooth and notch are so configured as to permit rotation of the first hinge member in one direction but will prevent its rotation in an opposite direction once the tooth has engaged the notch. A spring is positioned located within the socket of the first hinge member so as to bias the detent downward towards the second hinge member. The self-locking hinge is unique in that it permits the detent mechanism to be inserted into the socket at various angular positions so that the tooth is offset from the notch various degrees. This feature permits a door to be opened different amounts, depending upon its application, before the tooth engages the notch and forms a stop.

Abstract (de)
Gelenk (10) mit mindestens einem ersten und einem zweiten Bolzenlager (16, 18), die Längsbohrungen (20, 22) aufweisen und über einen in diese einsetzbaren Scharnierbolzen (24) relativ derhbar miteinander verbunden sind. In einem Bolzenlager (16 bzw. 18) ist eine Tasche zur höhenverschiebbaren und drehfesten Aufnahme eines Einsatzes (38) in mehreren Stellungen vorgesehen, der mit einem Zahn (52) oder einer Nut (54) an seiner Peripherie ausgerüstet ist, wobei der Zahn (52) oder die Nut (54) zur Sperrung der Drehbewegung in einer Richtung in eine Nut (54) oder in einen Zahn am anderen Bolzenlager (18 bzw. 16) einrasten kann.

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IPC 8 full level
E05D 11/06 (2006.01); **E05D 11/10** (2006.01)

CPC (source: EP US)
E05D 11/06 (2013.01 - EP US); **E05D 11/1078** (2013.01 - EP US); **E05Y 2900/531** (2013.01 - EP US)

Cited by
FR2579261A1; GB2332925A; EP0445559A1; GB2283158A; GB2283158B; GB2263305A; GB2263305B; DE10156300A1; DE10156300B4

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