

Title (en)
DOOR HINGE WITH INTEGRATED SECURING DEVICE

Title (de)
TÜRSCHARNIER MIT INTEGRIERTER FESTSTELLVORRICHTUNG

Title (fr)
CHARNIERE DE PORTE A DISPOSITIF D'ARRET INTEGRE

Publication
EP 0756662 B1 20000712 (DE)

Application
EP 94912469 A 19940420

Priority
• DE 9400431 W 19940420
• US 42425095 A 19950419

Abstract (en)
[origin: WO9529318A1] The invention concerns a door hinge with an integrated securing device for flexibly positioning a door at predetermined angles relative to a frame, in particular for positioning a motor vehicle door. The door hinge comprises a first hinge part (1, 101), a spiral spring (18) mounted on a base plate (2, 102) of the first hinge part (1, 101), and a second hinge part (30) which is located on the door side and in which rollers (35, 36) are rotatably mounted. The rollers (35, 36) deform the spiral spring (18) when the second hinge part (30) is pivoted relative to the first hinge part (1, 101). The spiral spring (18) comprises three U-shaped sections.

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IPC 8 full level
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