

Title (en)
DEVICE FOR OPENING AND CLOSING DOOR

Title (de)
VORRICHTUNG ZUM ÖFFNEN UND SCHLIESSEN EINER TÜR

Title (fr)
DISPOSITIF D'OUVERTURE ET DE FERMETURE DE PORTE

Publication
EP 1847671 A1 20071024 (EN)

Application
EP 06712800 A 20060201

Priority
• JP 2006301657 W 20060201
• JP 2005033122 A 20050209

Abstract (en)
The basal end of the first arm 12 is turnably connected to an apparatus main body 11 about a first turning axis L1. The basal end of a second arm 13 is turnably connected to the distal end of the first arm 12 about a second turning axis L2 parallel to the first turning axis L1. A compression coil spring 14 for biasing the first arm 12 toward the closing position when the first arm 12 is located between the neutral position and the closing position and toward the opening position when the first arm 12 is located between the neutral position and the opening position. The compression coil spring 14 is arranged between the first turning axis L1 and the second turning axis L2 on a line L intersecting with the first and second turning axes L1, L2 at right angles.

IPC 8 full level
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Citation (search report)
See references of WO 2006085461A1

Cited by
US9961939B2; US10111466B2; US10314335B2; US11083856B2; US11253671B2; US10918820B2; US10426193B2; US12059028B2; US10045562B2; US11744964B2

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