

Title (en)

SWING BRIDGE FOR CONVERTING A ROTARY MOTION INTO AN OSCILLATING MOTION AND USE OF SAME IN AN ELECTRICAL DEVICE

Title (de)

SCHWINGBRÜCKE ZUM UMWANDELN EINER ROTATIONSBEWEGUNG IN EINE OSZILLATIONSBEWEGUNG UND VERWENDUNG EINER SOLCHEN IN EINEM ELEKTRISCHEN GERÄT

Title (fr)

PONT TOURNANT POUR TRANSFORMER UN MOUVEMENT DE ROTATION EN UN MOUVEMENT D'OSCILLATION ET UTILISATION DANS UN APPAREIL ÉLECTRIQUE

Publication

**EP 2024147 B1 20110323 (DE)**

Application

**EP 07724092 A 20070407**

Priority

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- DE 102006022909 A 20060515

Abstract (en)

[origin: WO2007131579A1] The invention relates to a swing bridge for converting a rotary motion into an oscillating motion in an electrical device. The housing (1) of the electrical device holds a drive mechanism (2) that is powered by rotation with a drive shaft (3) and that has a crank or cam-type section (4) and at least one coupling element (15) of the swing bridge (7). The swing bridge (7) has at least one swing arm (16) by means of which the coupling point (15) is elastically connected to the oscillating body (9). The oscillating body (9) carries a working medium (11) to be powered by oscillations and has a coupling (6) for the crank or cam-type section (4) of the drive shaft (3). The coupling (6) is formed as a separate component which is connected to the oscillating body (9).

IPC 8 full level

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CPC (source: EP)

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Cited by

EP3300861A1; WO2018060900A1; WO2022000390A1; WO2022000389A1; US11331821B2; EP3300862A1; WO2018060892A1; EP3542975A1; US10786913B2

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