

Title (en)  
MULTIFUNCTIONAL JOINT

Title (de)  
MULTIFUNKTIONSGELENK

Title (fr)  
ARTICULATION MULTIFONCTION

Publication  
**EP 2834126 A1 20150211 (DE)**

Application  
**EP 12714994 A 20120402**

Priority  
EP 2012055960 W 20120402

Abstract (en)  
[origin: WO2013149641A1] Disclosed is a multifunctional joint for movably connecting three struts of a foldable frame, in particular for a foldable stroller frame comprising a handle part, two legs connected by a transverse strut, and a support strut that projects from the transverse strut. The multifunctional joint comprises a first joint element (40) on which a first strut of the frame can be mounted, and a second joint element (48) on which a second strut of the frame can be mounted. The two joint elements can pivot about a joint axis (56). The multifunctional joint further comprises a rotary element (68) which is mounted on the second joint element so as to be rotatable about an axis of rotation (70) and to which a third strut can be connected, the axis of rotation of the rotary element running substantially parallel to the joint axis and being laterally offset thereto. The multifunctional joint finally comprises a link member (62), one end of which is mounted on the first joint element, eccentrically in relation to the joint axis, and the other end of which is mounted on the rotary element, eccentrically in relation to the axis of rotation. Said link member causes the rotary element to rotate about the axis of rotation thereof when the two joint parts pivot about the joint axis.

IPC 8 full level  
**B62B 7/10** (2006.01); **B62B 7/06** (2006.01); **F16H 21/14** (2006.01)

CPC (source: EP)  
**B62B 7/062** (2013.01); **B62B 7/105** (2013.01); **B62B 2205/22** (2013.01); **B62B 2205/24** (2013.01); **F16C 11/10** (2013.01); **F16C 2326/20** (2013.01)

Citation (search report)  
See references of WO 2013149641A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2013149641 A1 20131010**; CN 103492254 A 20140101; CN 103492254 B 20170208; EP 2834126 A1 20150211

DOCDB simple family (application)  
**EP 2012055960 W 20120402**; CN 201280000149 A 20120402; EP 12714994 A 20120402