

Title (en)
COUNTER TRACK JOINT WITH OPTIMISED CONSTRUCTIONAL SPACE

Title (de)
GEGENBAHNGELENK MIT OPTIMIERTEM BAURAUM

Title (fr)
JOINT A CHEMINS DE ROULEMENTS CONJUGUES PRESENTANT UN ENCOMBREMENT OPTIMISE

Publication
EP 1807635 A1 20070718 (DE)

Application
EP 04822188 A 20041102

Priority
EP 2004012379 W 20041102

Abstract (en)
[origin: WO2006048031A1] The invention relates to a homocinetic joint (11) which is in the form of a counter track joint having the following characteristics: the first pair of tracks open until the joint is pulled on the joint average plane (E) in a first direction (R₁) and the second pair of tracks open until the joint is pulled on the joint average plane (E) in a second direction (R₂). According to the invention, the ratio (V1) from the reference diameter (PCDS) of the wave toothing in the inner part of the joint (15) in the third power and to the product of the diameter of the ball (DK) in a square and the reference diameter (PCDB) of the ball (17), when the joint is pulled, has a value of between 0.9 and 1.3, i.e. $0.9 < V1 < 1.3$ WITH $V1 = \frac{PCDS^3}{DK^2 \cdot PCDB}$

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Citation (search report)
See references of WO 2006048031A1

Citation (examination)
GRAF VON SEHERR-THOSS, SCMELZ, AUCTION: "Gelenke und Gelenkwellen", 2002, SPRINGER VERLAG, BERLIN

Cited by
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