

Title (en)
IMPROVED COUPLERS

Publication
EP 0344199 A4 19901205 (EN)

Application
EP 88901772 A 19880217

Priority
AU PI040487 A 19870217

Abstract (en)
[origin: WO8806222A1] The coupler (100) comprises a pair of U-shaped support members (112) having pivoted thereto an inverted U-shaped saddle (120). The support members (112) and saddle (120) intersect at (128) in a clamping condition to clamp a tube (124) in the coupler and outwardly extending arms (130) and (132) of the support members and saddle respectively may be urged apart by a wedging device (134) to provide the clamping force. The wedging device (134) is a toggle joint which in the undercentre condition (160) illustrated wedging engages the arm (132) which projects through an opening (146) in a locking arm (144). The arm (132) is radiused about an outwardly offset axis (152) relative to the pivot axis (137) of toggle joint (134). The toggle joint may be moved to an overcentre condition (162) in which the opposed edges of the opening (146) lockingly engage the upper and lower surface (150) and (151) of the arm (132), which may be serrated as at (148). The coupler (100) may be interlocked with a second identical coupler (100').

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E04G 7/12; **E04G 7/14**; **E04G 7/18**

IPC 8 full level
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Citation (search report)

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- [A] DE 908295 C 19540405 - PETER WEYER
- [A] US 4388747 A 19830621 - PLUMMER WALTER A [US]
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- [A] FR 1303626 A 19620914
- See references of WO 8806222A1

Designated contracting state (EPC)
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