

Title (en)
SYNCHRONISATION GEARING FOR LINEAR FRICTION WELDING

Title (de)
SYNCHRONISATIONSGETRIEBE ZUM LINEAREN REIBSCHWEIßEN

Title (fr)
MÉCANISME DE SYNCHRONISATION POUR SOUDAGE PAR FRICTION LINÉAIRE

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Application
EP 20728424 A 20200518

Priority

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- EP 2020063849 W 20200518

Abstract (en)
[origin: WO2020234249A1] The invention relates to a synchronisation gearing for linear friction welding, with which the end regions to be welded of surfaces of two components, said surfaces contacting one another, are held by clamping devices (4), are pressed together and moved in an oscillating manner in opposite directions relative to one another. The clamping devices (4) are, independently of one another, each connected by means of joint rods (10) to a plate (6) which has a fixed point of rotation (6a) and can be rotated in the plane of the oscillating clamping devices (4), which plate is hinged to a drive (5, 7, 8, 9) which rotates the plate (6) in an oscillating manner about the central axis.

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