

Title (en)

Chain traction device for rolling or drawing of bars or tubes

Title (de)

Kettenziehmaschine als Antriebsaggregat beim Walzen oder Ziehen von Stangen und Rohren

Title (fr)

Dispositif d'entraînement à chaînes pour le laminage ou le tréfilage de barres ou tuyaux

Publication

EP 1005928 A3 20010704 (DE)

Application

EP 99250416 A 19991129

Priority

DE 19857781 A 19981204

Abstract (en)

[origin: EP1005928A2] Chain traction unit has hydraulic clamping device pistons (13) integrated in a guide rail (12), part of which forms one of the pressure application roller support tracks (9, 10). A chain traction unit has cooperating pulling tool segments which are advanced synchronously on two endless pulling chains and pressed onto the workpiece by rollers rolling on support tracks and supported by hydraulic clamping devices on the support tracks. One of the support tracks (9, 10) forms part of a guide rail (12) in which the hydraulic pistons (13) of the clamping devices are integrated so their active front faces act on the slightly deformable support track (10) at the opposite side to the rollers (8).

IPC 1-7

B21C 1/30; B65H 51/14

IPC 8 full level

B21C 1/30 (2006.01)

CPC (source: EP)

B21C 1/30 (2013.01)

Citation (search report)

- [X] CA 1190851 A 19850723 - DYER EQUIPMENT MANUFACURING LT
- [AD] DE 2448157 A1 19760415 - MANNESMANN AG

Cited by

CN104624681A; CN107639122A; CN112875410A; US7743911B2; WO2005092533A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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DOCDB simple family (application)

EP 99250416 A 19991129; DE 19857781 A 19981204; JP 34594199 A 19991206