

Title (en)

Device for the threading of tubes and bars in a drawing apparatus

Title (de)

Vorrichtung zum Einfädeln von Rohren und Stangen in ein Ziehaggregat

Title (fr)

Dispositif pour l'enfilage de tuyaux et barres dans un dispositif d'étrirage

Publication

EP 0827789 A3 19990324 (DE)

Application

EP 97250243 A 19970820

Priority

DE 19637686 A 19960906

Abstract (en)

[origin: US5809823A] A method and apparatus for continuously feeding a generally tubular workpiece into a drawing unit of a continuous drawing machine without disadvantageously reducing the processing speed of the drawing machine. A workpiece having a reduced outer diameter drawing point is fed through a drawing ring by a pair of vertically stacked driving rollers until the drawing point extends beyond the drawing ring. The drawing point is then grabbed by a gripper and drawn through a drawing ring-its movement through the drawing ring still assisted by the driving rollers - to form a reduced diameter starting portion of the workpiece. In so doing, the workpiece is pulled along a drawing axis and in a drawing direction toward a drawing unit that defines a clamping length. Once the reduced diameter starting portion is formed, the gripper is swiveled away from the drawing axis and the drawing ring holder and drawing ring are caused to moved toward the drawing unit still aided by the drive rollers. The reduced diameter starting portion is then fed into the drawing unit, where the drawing unit then replaces the driving rollers and gripper as the means by which the workpiece is drawn through the drawing ring.

IPC 1-7

B21C 1/30

IPC 8 full level

B21C 1/27 (2006.01); **B21C 1/22** (2006.01); **B21C 1/28** (2006.01); **B21C 1/30** (2006.01); **B21C 5/00** (2006.01)

CPC (source: EP US)

B21C 1/22 (2013.01 - EP US); **B21C 1/28** (2013.01 - EP US); **B21C 5/00** (2013.01 - EP US); **B21C 5/003** (2013.01 - EP US)

Citation (search report)

- [XA] CH 406106 A 19660131 - PELTZER & EHLERS [DE]
- [A] BE 514665 A
- [DA] EP 0645200 A1 19950329 - DANIELI OFF MECC [IT], et al

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CN112916641A; CN102430602A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 5809823 A 19980922; AT E206965 T1 20011115; DE 19637686 C1 19980129; DE 59704946 D1 20011122; EP 0827789 A2 19980311; EP 0827789 A3 19990324; EP 0827789 B1 20011017; JP H1085826 A 19980407

DOCDB simple family (application)

US 92001497 A 19970826; AT 97250243 T 19970820; DE 19637686 A 19960906; DE 59704946 T 19970820; EP 97250243 A 19970820; JP 24202097 A 19970822