

Title (en)  
METHOD AND DEVICE FOR TYING CONCRETE IRON BARS

Publication  
**EP 0093747 B1 19860702 (FR)**

Application  
**EP 82903324 A 19821117**

Priority  
FR 8122006 A 19811118

Abstract (en)  
[origin: FR2516411A1] The device comprises a magazine (13) containing staples, a pusher carriage (19) and driver rollers (31) for pushing the staple (1) in the curved grooves causing its winding about the iron bars (5, 8); a straightening guide (41) straightens the branches of the staple and introduces said branches in a rotary turret (47) which forms the trunnion and draws the wire. The trunnion is cut by the knives (60 and 61). Application to the making of portable pliers for iron binding in reinforced concrete constructions.

IPC 1-7  
**E04G 21/12**

IPC 8 full level  
**E04G 21/12** (2006.01)

CPC (source: EP)  
**E04G 21/122** (2013.01); **E04G 21/123** (2013.01)

Designated contracting state (EPC)  
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)  
**FR 2516411 A1 19830520; FR 2516411 B1 19850712**; DE 3271898 D1 19860807; EP 0093747 A1 19831116; EP 0093747 B1 19860702; IT 1153076 B 19870114; IT 8224323 A0 19821118; IT 8224323 A1 19840518; WO 8301805 A1 19830526

DOCDB simple family (application)  
**FR 8122006 A 19811118**; DE 3271898 T 19821117; EP 82903324 A 19821117; FR 8200191 W 19821117; IT 2432382 A 19821118