

Title (en)  
Machine to assemble reinforcement stands for foundation piles

Title (de)  
Maschine zur Montage von Bewehrungen für Gründungspfähle

Title (fr)  
Machine d'assemblage d'armatures pour pieux de fondation

Publication  
**EP 0841110 A2 19980513 (EN)**

Application  
**EP 97203140 A 19971009**

Priority  
IT UD960190 A 19961009

Abstract (en)  
Semi-automatic machine to assemble reinforcement stands (11) for foundation piles in reinforced concrete, the reinforcement stands (11) being composed of a plurality of longitudinal bars (13) associated with the outer periphery of mating brackets (43), the longitudinal bars (13) and the brackets (43) then being bound by a spiral (44) of metallic wire (35), comprising a bench to store the longitudinal bars (13), cooperating, by means of guide elements (12a), with a first station (14) to position and weld the longitudinal bars (13)/brackets (43), the first station (14) comprising a concave positioning bed (23) defined by a rotary system (21, 22) comprising means (24) to hold the individual longitudinal bars (13) laterally, the first station (14) cooperating with a second station (15) for spiralling the wire comprising a housing bed (29) for the partly assembled reinforcement stand (111), the housing bed (29) being defined by a rotary positioning system (27, 28), the second station (15) also comprising a spiralling device (33) which is longitudinally movable in cooperation with a mating reel (34) of metallic wire (35). <IMAGE>

IPC 1-7  
**B21F 27/20**

IPC 8 full level  
**B21F 27/12** (2006.01)

CPC (source: EP)  
**B21F 27/124** (2013.01)

Cited by  
EP1364726A3; US6925705B2; WO0139908A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0841110 A2 19980513; EP 0841110 A3 19990512; EP 0841110 B1 20020306**; AT E213977 T1 20020315; DE 69710843 D1 20020411; DE 69710843 T2 20020919; DK 0841110 T3 20020521; ES 2170330 T3 20020801; IT 1288997 B1 19980925; IT UD960190 A0 19961009; IT UD960190 A1 19980409; PT 841110 E 20020830; TW 321618 B 19971201

DOCDB simple family (application)  
**EP 97203140 A 19971009**; AT 97203140 T 19971009; DE 69710843 T 19971009; DK 97203140 T 19971009; ES 97203140 T 19971009; IT UD960190 A 19961009; PT 97203140 T 19971009; TW 85115636 A 19961218