

Title (en)  
COLD-ROLLED REINFORCING STEEL AND PROCESS FOR ITS MANUFACTURE

Title (de)  
KALTGEWALTZTER BETONSTAHL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
ACIER D'ARMATURE LAMINE A FROID ET SON PROCEDE DE PRODUCTION

Publication  
**EP 0738361 B1 19970924 (DE)**

Application  
**EP 95906956 A 19950116**

Priority  
• DE 4400974 A 19940114  
• EP 9500154 W 19950116

Abstract (en)  
[origin: WO9519480A1] In a reinforcing steel that has indentations (4) rolled into a steel rod of approximately circular cross section, the indentations are formed as the reinforcing steel is unwound through circular arcs of different radii set axially symmetrical relative to the indentation. The indentations are rolled into the surface of the rod at a constant depth and have steep flanks. This ensures sufficient bonding despite a lower deformation effort, providing for better ductility parameters. Furthermore, the coiled reinforcing steel has better directivity and improved suitability for welding in the manufacture of welded wire mesh. A process for manufacturing such a reinforcing steel comprises at least two deformation steps.

IPC 1-7  
**E04C 5/03**; **B21B 1/16**

IPC 8 full level  
**B21B 1/16** (2006.01); **E04C 5/03** (2006.01)

CPC (source: EP)  
**B21B 1/163** (2013.01); **E04C 5/03** (2013.01)

Citation (examination)  
Deutsche DIN-Norm 488, Teil 4, Titelblatt sowie Seiten 4 und 5; Juni 1986

Designated contracting state (EPC)  
AT BE CH DE DK FR GB IT LI NL

DOCDB simple family (publication)  
**WO 9519480 A1 19950720**; AT E158634 T1 19971015; CZ 289576 B6 20020213; CZ 9602010 A3 19961016; DE 4400974 A1 19950720; DE 59500715 D1 19971030; DK 0738361 T3 19980216; DK 0738361 T4 20050425; EP 0738361 A1 19961023; EP 0738361 B1 19970924; EP 0738361 B2 20050406; HU 217903 B 20000528; HU 9601912 D0 19960930; HU T76083 A 19970630; LT 4139 B 19970425; LT 96105 A 19961125; PL 177898 B1 20000131; SK 282802 B6 20021203; SK 90996 A3 19970108

DOCDB simple family (application)  
**EP 9500154 W 19950116**; AT 95906956 T 19950116; CZ 201096 A 19950116; DE 4400974 A 19940114; DE 59500715 T 19950116; DK 95906956 T 19950116; EP 95906956 A 19950116; HU 9601912 A 19950116; LT 96105 A 19960702; PL 31533895 A 19950116; SK 90996 A 19950116