

Title (en)
Manufacture of stapling wire

Title (de)
Herstellung von Heftdraht

Title (fr)
Fabrication de fil à brocher

Publication
EP 1190783 A3 20030604 (DE)

Application
EP 01121203 A 20010905

Priority
• DE 10044982 A 20000911
• DE 10051493 A 20001017

Abstract (en)
[origin: EP1190783A2] The wire is drawn in two stages from an initial to a final size, and reduced in diameter by 80%. During the drawing process, the wire is not subjected to heat treatment. The wire is of a material with a carbon content of less than 0,1%, esp. less than 0,06%, and which a reduction in diameter of more than 99%. The initial diameter is less than 10mm, esp. 5,5mm, and the final diameter is less than 1mm, pref. between 0,7 and 0,3mm. Between first and second drawing stages, the wire is surface-treated, esp. galvanized.

IPC 1-7
B21C 1/00; B21C 1/04

IPC 8 full level
B21C 1/00 (2006.01)

CPC (source: EP US)
B21C 1/003 (2013.01 - EP US)

Citation (search report)
• [X] US 4619714 A 19861028 - THOMAS GARETH [US], et al
• [X] US 4613385 A 19860923 - THOMAS GARETH [US], et al
• [X] FR 1402454 A 19650611
• [A] US 4853032 A 19890801 - YALAMANCHILI BHASKAR [US], et al

Cited by
CN110193531A; CN113331506A

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

DOCDB simple family (publication)
EP 1190783 A2 20020327; EP 1190783 A3 20030604; US 2002083753 A1 20020704

DOCDB simple family (application)
EP 01121203 A 20010905; US 95205201 A 20010911