

Title (en)
A method and an apparatus for manufacturing wire

Title (de)
Verfahren und Vorrichtung zur Herstellung von Draht

Title (fr)
Méthode et dispositif de fabrication de fil

Publication
EP 0768124 A3 20010131 (EN)

Application
EP 96116446 A 19961014

Priority

- JP 29219995 A 19951014
- JP 29220095 A 19951014
- JP 35333295 A 19951229
- JP 14832296 A 19960517
- JP 21198496 A 19960722
- JP 27413496 A 19960924

Abstract (en)
[origin: EP0768124A2] The rolling apparatus 1 comprises a first roller-couple 101a,101b and a second roller-couple 102a,102b which are arranged adjacently in a feeding direction of work material A1 and roll the work material A1 in different directions each other successively. Each of the first and second roller-couples comprises two rollers each of which has a groove for determining the cross sectional shape of the wire on the circumferential surface thereof. The width of the grooves are less than 7 mm for the first roller-couple 101a,101b and are less than 6 mm for the second roller-couple 102a,102b. The center distance between the first and second roller-couples 101a,101b and 102a,102b is less than 50 mm. <IMAGE>

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IPC 8 full level
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Citation (search report)

- [A] EP 0519470 A2 19921223 - SUMITOMO METAL IND [JP], et al
- [A] US 4528834 A 19850716 - AOYAGI KOSHIRO [JP], et al
- [A] EP 0543479 A1 19930526 - MORGAN CONSTRUCTION CO [US]
- [A] US 5421183 A 19950606 - KELLER KARL [DE], et al

Cited by
CN114317935A; CN104662189A; CN107847998A; CN102240684A; EP1181990A3; CN1096896C; EP0933145A3; DE10207176A1; CN102500730A; EP1338350A3; WO2017004783A1; US10875064B2

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