

Title (en)

PROCESS AND APPARATUS FOR FORGING ONE PIECE TRACK ROLLER RIM.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHMIEDEN EINER LAUFROLLENFELGE AUS EINEM STÜCK.

Title (fr)

PROCEDE ET APPAREIL DE FORGEAGE DE JANTES DE GALETS DE CHENILLES EN UNE SEULE PIECE.

Publication

EP 0353231 A4 19900108 (EN)

Application

EP 88902665 A 19880222

Priority

FR 8703438 A 19870313

Abstract (en)

[origin: WO8806931A1] A process for forging a one piece track roller rim (31) comprising the steps of placing a hot metal billet (27) on a supporting block (1); closing a die (4) having two complementary half-shells (4a, 4b) which, when engaging each other, define a forging cavity (14) the inner shape of which corresponds to the outer surface of the track roller rim (31) to be formed; moving a hoop (7) to surround and lock the two half-shells (4a, 4b) closed; moving a cylindrical punch (8) into the forging cavity (14) to form an axial opening (29) in the billet (27) and forging the billet material into the inner shape of the forging cavity (14); removing the cylindrical punch (8) from the forged track roller rim (31); removing the track roller rim (31) from the supporting block (1). A machine is also provided to carry out the process.

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B21D 31/00; **B21J 5/02**

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CPC (source: EP)

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Citation (search report)

- [X] GB 2171349 A 19860828 - THYSSEN INDUSTRIE
- [A] DE 2310983 A1 19740912 - RHEINSTAHL AG
- [X] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 124 (M-218)[1269], 28th May 1983; & JP-A-58 41 643 (KAWASAKI YUKOU K.K.) 10-03-1983
- See references of WO 8806931A1

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