

Title (en)

Drawing die tool and method of forming such a drawing die tool

Title (de)

Ziehmatrizenwerkzeug und Verfahren zur Herstellung eines solchen Werkzeugs

Title (fr)

Outil de filière d'étirage et procédé de fabrication d'un tel outil

Publication

EP 2796218 A1 20141029 (EN)

Application

EP 13002160 A 20130424

Priority

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Abstract (en)

A drawing die tool (1) is provided, which comprises: a wear-resistant forming insert (5) having an outer surface (50) tapering in a working direction (W); a steel sleeve (4) made of hot working steel into which the wear-resistant forming insert (5) is fitted by shrink-fitting, the steel sleeve (4) having an internal surface (41) tapering in the working direction which is adapted for cooperating with the outer surface (50) of the wear-resistant forming insert (5) and an external surface (40); an outer casing (2) having an internal surface (25) in which the steel sleeve (4) together with the wear-resistant forming insert (5) is mounted with the external surface (40) of the steel sleeve (4) contacting the internal surface (25) of the outer casing (2); and a securing element (6) for securing the steel sleeve (4) and the wear-resistant forming insert (5) in the outer casing (2).

IPC 8 full level

B21C 3/04 (2006.01); **B21C 3/12** (2006.01)

CPC (source: EP)

B21C 3/04 (2013.01); **B21C 3/12** (2013.01)

Citation (applicant)

GB 2043511 A 19801008 - EDELSTAHLWERKE 8 MAI 1945 FREI

Citation (search report)

- [AD] GB 2043511 A 19801008 - EDELSTAHLWERKE 8 MAI 1945 FREI
- [A] US 1935821 A 19331121 - MORRIS SIMONS
- [A] US 4468947 A 19840904 - TAKEDA TOORU [JP], et al
- [A] EP 1327488 A2 20030716 - TECNOVO SRL [IT]
- [A] EP 0908249 A2 19990414 - TECNOVO SRL [IT]
- [A] DE 3604936 A1 19870820 - SIMON DIETER
- [A] GB 549407 A 19421119 - FREDERICK CHARLES JEARUM, et al

Cited by

JP6982155B1; CN114029352A; CN104741399A

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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