

Title (en)

Method of manufacture of a metallic sabot.

Title (de)

Verfahren zur Herstellung eines metallischen Treibkäfigs.

Title (fr)

Procédé pour fabriquer un sabot métallique.

Publication

EP 0158828 A1 19851023 (EN)

Application

EP 85102846 A 19850313

Priority

US 59024984 A 19840316

Abstract (en)

The method of manufacture of a sabot component which comprises the steps of severing an aluminum workpiece (50) from bar stock, upsetting the workpiece in a first die, by axial force, to constitute a first preform (51) having a desired uneven mass distribution along the axis thereof, hot forging the first preform in a second die, by transverse force, to constitute a second preform (52) having an unsymmetrical mass distribution transverse to the axis thereof, hot forging the second preform in a third die, by transverse force, to constitute a stamping (60) having opposed unsymmetrical formed surfaces, solution heat treating the stamping to a "W" condition, freezing the stamping to render its metalography dormant, cold forging the stamping in the third die, artificially aging the stamping to a "T8" condition, trimming the stamping in a fourth die, and annodizing the trimmed stamping,

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F42B 13/16; B21K 23/00

IPC 8 full level

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CPC (source: EP)

B21K 1/025 (2013.01); **F42B 14/061** (2013.01)

Citation (search report)

- [Y] US 4360954 A 19821130 - BURNS BRUCE P, et al
- [Y] US 2754576 A 19560717 - CLIFFORD FOSTER CHARLES
- [A] EP 0068397 A1 19830105 - RHEINMETALL GMBH [DE]
- [A] US 1601016 A 19260928 - CARLSON HJALMAR G
- [A] GB 1239473 A 19710714 - NORTH AMERICAN ROCKWELL [US]
- [A] US 4326464 A 19820427 - PRICE RENATA F

Cited by

US5103735A; US5359938A; US5259321A; GB2208247A; GB2208247B; FR2757623A1; US5959238A

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