

Title (en)

Method for the manufacture of an axle element for a motor vehicle

Title (de)

Verfahren zur Herstellung eines Achselementes für Kraftfahrzeuge

Title (fr)

Procédé de fabrication d'un élément d'essieu pour un véhicule automobile

Publication

**EP 1252947 B1 20080528 (DE)**

Application

**EP 02008689 A 20020418**

Priority

DE 10119839 A 20010423

Abstract (en)

[origin: EP1252947A2] A bar-shaped semi-finished part (1) of aluminum is heated to forming temperature, its first end (2) is upset in a mold (4) of a forming tool (3) by a first die (5), and the second end (9) is pressed into the mold by a second die (8). Displaced material is forced into a bypass (10) of the mold and formed into a leg (11). The semi-finished part is finished in a forging process. The forging temperature is lower than 520 degrees C, e.g. between 420 degrees C and 480 degrees C. Forging temperature is approx. 520 degrees C.

IPC 8 full level

**B21K 1/12** (2006.01); **B21J 5/08** (2006.01); **B21K 1/76** (2006.01)

CPC (source: EP US)

**B21J 5/08** (2013.01 - EP US); **B21K 1/12** (2013.01 - EP US); **B21K 1/76** (2013.01 - EP US)

Cited by

CN102240688A; EP2484462A3; CN113070438A

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**EP 1252947 A2 20021030**; **EP 1252947 A3 20030115**; **EP 1252947 B1 20080528**; AT E396809 T1 20080615; CZ 301111 B6 20091111; DE 10119839 A1 20021031; DE 10119839 C2 20030911; DE 50212309 D1 20080710; US 2002157444 A1 20021031; US 6735996 B2 20040518

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