

Title (en)  
CASTING-FORGING OF WROUGHT ALLOYS

Title (de)  
GIESSEN-SCHMIEDEN VON KNETLEGIERUNGEN

Title (fr)  
COULÉE-FORGEAGE D'ALLIAGES DE CORROYAGE

Publication  
**EP 2164999 A1 20100324 (DE)**

Application  
**EP 07787267 A 20070709**

Priority  
EP 2007056991 W 20070709

Abstract (en)  
[origin: WO2009006939A1] The process of the invention for producing workpieces composed of aluminium alloy comprises the steps of casting of the aluminium alloy into a casting mould, removal of the cast blank from the casting mould immediately it has solidified and forming (forging) of the cast blank. This process makes it possible to produce aluminium alloy workpieces which have the mechanical properties of a forged part without requiring the preliminary steps such as continuous casting, extrusion or further preshaping steps such as upsetting, forge rolling or transverse rolling which are necessary in the conventional forging process.

IPC 8 full level  
**C22F 1/04** (2006.01); **B21J 5/00** (2006.01); **B22D 27/00** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2009006939A1

Citation (examination)  
• FR 2803232 A1 20010706 - SERIO EMILE DI [FR]  
• EP 1219367 A1 20020703 - SERIO EMILE DI [FR]  
• EP 0586314 A1 19940309 - SERIO THOMAS DI [FR]  
• EP 1250204 B1 20030730 - SAINT JEAN IND [FR]  
• EP 1219367 A1 20020703 - SERIO EMILE DI [FR]  
• EP 0586314 A1 19940309 - SERIO THOMAS DI [FR]

Citation (third parties)  
Third party :  
• EP 1250204 B1 20030730 - SAINT JEAN IND [FR]  
• EP 1219367 B1 20090812 - SAINT JEAN IND [FR]  
• EP 0586314 B1 19970502 - COBAPRESS ENGINEERING SARL [FR]

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DOCDB simple family (publication)  
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**EP 2007056991 W 20070709**; EP 07787267 A 20070709