

Title (en)

Light metal composite casting and method for the production thereof

Title (de)

Verfahren zur Herstellung eines Leichtmetall-Verbundgussteils sowie Leichtmetall-Verbundbussteil

Title (fr)

Pièce moulée composite en métal léger et son procédé de fabrication

Publication

**EP 1433552 B1 20090506 (DE)**

Application

**EP 03025165 A 20031104**

Priority

DE 10259700 A 20021218

Abstract (en)

[origin: EP1433552A1] Process for preparation of a light metal composite casting where the starting part comprising a first light metal alloy is joined to a second light metal alloy by casting, forming a composite layer in the contact region between the two alloys, and prior to casting the starting part (102) is given a coating (104) which during high temperature and high pressure casting forms an intermediate ductile plastically deformable layer (204) between the two alloys (202, 206). An Independent claim is included for a light metal composite casting, especially in Al and Mg alloys.

IPC 8 full level

**B22D 19/00** (2006.01)

CPC (source: EP)

**B22D 19/0081** (2013.01)

Cited by

CN103372641A; WO2010102805A1; DE102009013625A1

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**EP 1433552 A1 20040630; EP 1433552 B1 20090506**; DE 10259700 A1 20040715; DE 50311494 D1 20090618; ES 2322700 T3 20090625

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