

Title (en)
Insert for composite casting

Title (de)
Eingiessteil für Verbundgussstück

Title (fr)
Insert pour pièce coulée composite

Publication
EP 0498719 B1 19980422 (FR)

Application
EP 92400292 A 19920205

Priority
CH 34891 A 19910205

Abstract (en)
[origin: EP0498719A1] The insert consists of an aluminium material and is provided for recasting or joining by casting with a molten mass of aluminium or of an aluminium alloy for forming a composite casting with a metal link in the composite boundary layer. At least the layer which is free from oxide of the insert on which recasting or joining by casting of the molten mass is performed has a first coat having a surface coat of a metal or metal alloy which is resistant to oxidation and a second coat applied directly on this first coat of a metal or metal alloy having a high solubility in aluminium in the solid state and a melting temperature of between 350 and 500 DEG C.

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IPC 8 full level
B22D 19/00 (2006.01)

CPC (source: EP)
B22D 19/00 (2013.01); **B22D 19/0081** (2013.01); **B22D 21/007** (2013.01)

Citation (examination)
WPI, World Patent Index Database, Derwent Publications, London, GB AN=80- 69722c(40) & DD-A-141121 (ROGOSS ET AL.) 17 April 1980

Cited by
DE102010055162A1; DE102015106002A1; DE10316002B3; FR2734195A1; DE102007059771A1; WO2004018718A1; WO9503905A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI

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