

Title (en)  
APPARATUS FOR THE MANUFACTURE OF COMPOUND BLANKS

Publication  
**EP 0105112 B1 19861015 (DE)**

Application  
**EP 83107409 A 19830727**

Priority  
DE 3229626 A 19820809

Abstract (en)  
[origin: US4519234A] A device for manufacturing a laminated semifinished material by indirect extrusion of a sintered-bond blank consisting of layers of metal, metal alloys, metal mixtures or mixtures of metals and nonmetals comprises a vessel with a rectangular cutout or extrusion chamber and a one- or multipart extrusion die with one or several cutouts. A surface of the die facing the blank is profiled in the form of one or more roof gables, the surfaces of which gable forms extend perpendicularly towards the cutout from a sliding surface of the extrusion die.

IPC 1-7  
**B22F 3/20**

IPC 8 full level  
**B29C 47/06** (2006.01); **B21C 23/22** (2006.01); **B21C 25/02** (2006.01); **B21C 25/06** (2006.01); **B22F 3/20** (2006.01); **B29B 7/00** (2006.01); **B29C 47/00** (2006.01); **B29C 47/54** (2006.01); **B29C 48/30** (2019.01); **C22C 32/00** (2006.01)

CPC (source: EP US)  
**B21C 23/22** (2013.01 - EP US); **B21C 25/06** (2013.01 - EP US); **B21C 33/004** (2013.01 - EP US); **B22F 3/20** (2013.01 - EP US); **C22C 32/0021** (2013.01 - EP US)

Cited by  
CN112207142A; EP0508434A1

Designated contracting state (EPC)  
AT DE IT SE

DOCDB simple family (publication)  
**US 4519234 A 19850528**; AT E22828 T1 19861115; BR 8304237 A 19840313; DE 3229626 A1 19840209; DE 3366858 D1 19861120; EP 0105112 A1 19840411; EP 0105112 B1 19861015; JP S5945024 A 19840313; JP S6128411 B2 19860630

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**US 51307583 A 19830712**; AT 83107409 T 19830727; BR 8304237 A 19830808; DE 3229626 A 19820809; DE 3366858 T 19830727; EP 83107409 A 19830727; JP 14238883 A 19830803