

Title (en)

Apparatus and method for clamping cope and drag

Title (de)

Vorrichtung und Verfahren zum Verspannen von Ober- und Unterkasten

Title (fr)

Dispositif et procédé de serrage un châssis de dessus avec un châssis de dessous

Publication

EP 0844037 A1 19980527 (EN)

Application

EP 97120488 A 19971121

Priority

JP 32770396 A 19961122

Abstract (en)

An apparatus (10) and a method for clamping a cope (8; 13) and a drag (7; 12) are disclosed. The apparatus prevents the cope from floating in molten metal when it poured in the mold space formed by the cope and drag and prevents their deformation due to the expansion of the molten metal when it solidifies. The apparatus includes a grid frame (4) extending in a horizontal plane for covering the top of the cope. The grid frame (4) has a plurality of openings (3, 3) and connecting members (5,5) mounted at opposing sides of it for engaging with engaging members (22; 11A) mounted at the drag side.

IPC 1-7

B22C 21/08; **B22C 21/12**

IPC 8 full level

B22C 21/08 (2006.01); **B22C 21/12** (2006.01)

CPC (source: EP)

B22C 21/08 (2013.01); **B22C 21/12** (2013.01)

Citation (search report)

- [A] GB 815859 A 19590701 - TIROLER ROEHREN & METALLWERK
- [A] DE 1174944 B 19640730 - BUDERUS EISENWERK

Cited by

CN109093076A

Designated contracting state (EPC)

CH DE LI

DOCDB simple family (publication)

EP 0844037 A1 19980527; JP H10156487 A 19980616

DOCDB simple family (application)

EP 97120488 A 19971121; JP 32770396 A 19961122