

Title (en)  
Investment casting method and apparatus.

Title (de)  
Verfahren und Vorrichtung zum Feingiessen.

Title (fr)  
Dispositif et procédé de coulée de précision.

Publication  
**EP 0668117 A3 19961218 (EN)**

Application  
**EP 95301016 A 19950217**

Priority  
US 19846694 A 19940218

Abstract (en)  
[origin: EP0668117A2] A modified investment casting process is effective to more safely and efficiently produce cast articles. The casting process utilizes a solid, rigid riser tube, in place of a wax tree, upon which heat disposable, positive models of an article to be cast are joined. This assembly is coated with a refractory and after drying of the refractory the heat disposable positive models are removed. Thereafter the ceramic shell is heated and fired and molten casting material is poured into the assembly. The molten casting material flows from the riser tube to fill the cavities formerly occupied by the positive models. Upon cooling and solidification of the casting material, the refractory is fractured and cast parts are removed.

IPC 1-7  
**B22C 7/02**; **B22C 9/04**

IPC 8 full level  
**B22C 7/02** (2006.01); **B22C 9/04** (2006.01); **B22C 9/24** (2006.01)

CPC (source: EP)  
**B22C 7/02** (2013.01); **B22C 9/04** (2013.01)

Citation (search report)

- [A] DE 4128425 A1 19920319 - ESKA MEDICAL GMBH & CO [DE]
- [A] US 4109699 A 19780829 - MILLER ROBERT R, et al
- [A] DE 3127700 A1 19830203 - SCHUBERT & SALZER MASCHINEN [DE]

Cited by  
US9539638B2; WO0156722A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**EP 0668117 A2 19950823**; **EP 0668117 A3 19961218**; CA 2142637 A1 19950819; JP H07299543 A 19951114

DOCDB simple family (application)  
**EP 95301016 A 19950217**; CA 2142637 A 19950216; JP 5198195 A 19950217