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(54) **Laser assisted casting and related system**

(57) Various embodiments include methods and related systems for laser-assisted casting. Some embodiments include a method including: performing P2 laser ablation to a preliminary wax casting model 6 to form a modified wax model 8 including at least one additional

feature 10 absent from the wax casting substrate; coating P5 the modified wax model 8 to form a mold shape around the modified wax model 8; and removing P6 the modified wax model 8 to leave a casting mold 24 including the at least one additional feature 10.

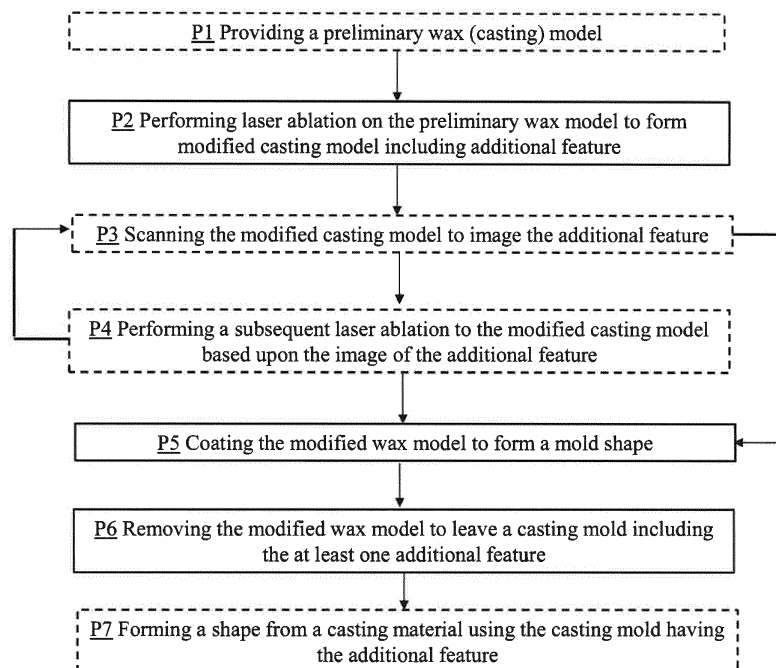


FIG. 2



EUROPEAN SEARCH REPORT

 Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
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			TECHNICAL FIELDS SEARCHED (IPC)
			B22C B29C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 April 2015	Examiner Hodiamont, Susanna
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82