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Hanna et al.

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(54) **METHOD OF CASTING DAMPED PART WITH INSERT**

USPC 164/98-121, 340, 344, 347
See application file for complete search history.

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(56) **References Cited**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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Related U.S. Application Data

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(51) **Int. Cl.**

B22D 19/00 (2006.01)

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(52) **U.S. Cl.**

CPC **B22D 19/0081** (2013.01); **B22D 19/00** (2013.01); **B22D 19/04** (2013.01); **Y10T 428/24628** (2015.01)

(57) **ABSTRACT**

A method including positioning an insert in a vertical mold including a first mold portion and a second mold portion; and casting a material including a metal around at least a portion of the insert.

(58) **Field of Classification Search**

CPC B22D 17/24; B22D 19/00; B22D 19/0081

17 Claims, 9 Drawing Sheets

