

Title (en)

METHOD OF MAKING AND USING A CERAMIC SHELL MOLD.

Title (de)

VERFAHREN ZUM HERSTELLEN UND VERWENDEN EINER KERAMISCHEN SCHALENFORM.

Title (fr)

PROCEDE DE FABRICATION ET D'UTILISATION D'UN MOULE A COQUILLE EN CERAMIQUE.

Publication

**EP 0020373 A4 19800929 (EN)**

Application

**EP 79900983 A 19781204**

Priority

- EP 79900983 A 19781204
- US 7800187 W 19781204

Abstract (en)

[origin: WO8001146A1] A method of making a shell mold (6) includes alternately applying a ceramic coating composition (8) and a stucco composition (10) to an expendable pattern, the presence of graphite being substantially avoided therein, and applying a barrier coating (16) thereto including a ceramic powder, a binder, and a preselected amount of graphite. A preferred range of graphite of about 13 to 17 Wt.% in the barrier coating (16) minimizes decarburization of a ferrous article formed in the cavity of the shell mold (6).

IPC 1-7

**B22C 1/04**; **B22C 3/00**; **B22C 9/04**; **C04B 35/00**

IPC 8 full level

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CPC (source: EP)

**B22C 1/165** (2013.01)

Citation (search report)

- US 3474851 A 19691028 - TAYLOR PERCY RONALD
- SU 178952 A
- GB 1160090 A 19690730 - DUNLOP ADAM
- GB 672535 A 19520521 - BRISTOL AEROPLANE CO LTD

Cited by

US5617912A

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DE FR GB

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**WO 8001146 A1 19800612**; CA 1119771 A 19820316; DE 2862282 D1 19830714; EP 0020373 A1 19810107; EP 0020373 A4 19800929; EP 0020373 B1 19830608; JP S55500934 A 19801113

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