

Title (en)
LOST FOAM PROCESS AND INSTALLATION

Publication
EP 0281752 B1 19910306 (DE)

Application
EP 88101270 A 19880129

Priority
DE 3707467 A 19870309

Abstract (en)
[origin: EP0281752A2] In a lost foam process in which a complete, positive pattern of a thermally decomposable material is inserted into a flask containing sand, the sand is compacted by vibration. The casting metal is poured onto the thermally decomposable pattern, and the pattern is decomposed by casting heat. <??>So that shaped pieces having critical hollow spaces can be reliably moulded by the moulding sand and filled up with the same, the sand, while being poured in, is subjected to vacuum in order to enclose the pattern. The filling of the flask with sand and the compaction of the same is helped by the sand being vibrated at the same time as the vacuum is applied to it. <IMAGE>

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

IPC 8 full level
B22C 7/02 (2006.01); **B22C 9/03** (2006.01); **B22C 9/04** (2006.01)

CPC (source: EP US)
B22C 9/03 (2013.01 - EP US); **B22C 9/046** (2013.01 - EP US)

Citation (examination)
PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 100 (M-470)(2157) 16. April 1986; & JP-A-60 234 736 (Yukio Tomaya) 21.11.1985

Cited by
CN106238675A; AU610786B1; CN104985121A

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DOCDB simple family (publication)
DE 3707467 C1 19880804; DE 3861876 D1 19910411; EP 0281752 A2 19880914; EP 0281752 A3 19890315; EP 0281752 B1 19910306; ES 2021764 B3 19911116; US 4958674 A 19900925

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