

Title (en)
METHOD AND DEVICE BY WHICH MOULDING COMPOUND TO BE PROCESSED IS KEPT MOIST DURING THE PRODUCTION OF CORES

Title (de)
VERFAHREN UND VORRICHTUNG ZUM FEUCHTHALTEN VON ZU VERARBEITENDEM FORMSTOFF BEI DER HERSTELLUNG VON KERNEN

Title (fr)
PROCÉDÉ ET DISPOSITIF PERMETTANT DE MAINTENIR HUMIDE UN MATÉRIAU DE FORMAGE À TRAITER LORS DE LA FABRICATION DE NOYAUX

Publication
EP 2563537 B2 20190911 (DE)

Application
EP 11713707 A 20110408

Priority
• DE 102010018751 A 20100429
• EP 2011001757 W 20110408

Abstract (en)
[origin: WO2011134598A1] In order to produce moulds or cores for foundry purposes from a mixture (M) of moulding compound or sand and at least one binder, the mixture is mixed (M) by means of a mixing device (20) and is fed with the aid of a feeding system (30) to at least one sand storage unit (40) of a core or mould production device (50), wherein the mixture-free region (21) of the mixing device (20), at least at times, and/or the feeding system (30) located between the mixing device (20) and the core or mould production device (50), and/or the sand storage unit (40) downstream of the feeding system (30) and upstream of the core or mould production device (50), is moistened or kept moist by means of a liquid (71), wherein the liquid (71) used for moistening is atomised by at least one ultrasonic atomiser (60) to form a suspended aerosol and is fed to the mixing device (20) and/or the feeding system (30) and/or the sand storage unit (40) via pipes (81, 82, 83).

IPC 8 full level
B22C 5/04 (2006.01); **B22C 19/00** (2006.01); **B22C 23/00** (2006.01); **B22C 15/24** (2006.01)

CPC (source: EP US)
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Citation (opposition)
Opponent :
• DE 1203919 B 19651028 - FISCHER AG GEORG
• DE 10144193 C1 20021031 - VAW MANDL & BERGER GMBH LINZ [AT]
• DE 102005057724 B3 20070201 - LAEMPE & MOESSNER GMBH [DE]

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