

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 A1 20130306 (DE)**

Application  
**EP 11713707 A 20110408**

Priority  
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• 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)

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