

Title (en)  
DEVICE AND METHOD FOR HARDENING FOUNDRY CORES

Title (de)  
EINRICHTUNG UND VERFAHREN ZUM AUSHÄRTEN VON GIESSEREI-KERNEN

Title (fr)  
DISPOSITIF ET PROCÉDÉ POUR DURCIR DES NOYAUX DE FONDERIE

Publication  
**EP 2848332 B1 20150805 (DE)**

Application  
**EP 13183850 A 20130911**

Priority  
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Abstract (en)  
[origin: WO2015036184A1] The present invention relates to a device for hardening foundry cores of a moulding material containing sand, in which, for being hardened, the core is exposed in a core forming tool to a catalyst-vapour/carrier-gas mixture and subsequently to a stream of compressed air, each at a prescribed pressure and a prescribed temperature, wherein a heating and mixing stage that can be arranged upstream of the core forming tool is connected to a tank containing an organic catalyst in liquid form and to a compressed air source, wherein the device does not have a preheater, and so the liquid organic catalyst and the compressed air are heated together in the heating and mixing stage, and the device has a separate flushing line, wherein a first shut-off valve is arranged in the line to the heating and mixing stage and is closed at the beginning of the flushing, and a second shut-off valve is arranged in the flushing line and is open at the beginning of the flushing.

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**B22C 9/10** (2013.01 - EP US); **B22C 9/123** (2013.01 - EP US); **B22C 19/00** (2013.01 - EP US)

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