

Title (en)
LOW EMISSION COLD CURING BINDERS FOR FOUNDRY INDUSTRY

Title (de)
EMISSIONSARMES, KALTHÄRTENDES BINDEMittel FÜR DIE GIESSEREIINDUSTRIE

Title (fr)
LIANT DURCISSABLE À FROID À FAIBLE ÉMISSION POUR L'INDUSTRIE DE LA Fonderie

Publication
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Application
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• EP 2011073023 W 20111216

Abstract (en)
[origin: WO2012080454A1] The present invention relates primarily to a mixture, which is suitable for use in the no-bake method for producing cores and molds for the foundry industry, and to a reaction mixture comprising such a mixture and an acid hardener (i.e. a catalyst acid). The present invention further relates to a method for producing a mixture according to the invention and to a method for producing a casting mold or a core. The invention further relates to a casting mold or a core for producing metal bodies and to a kit comprising a mixture according to the invention and certain acid hardeners. The invention also relates to the use of a mixture according to the invention as a cold-setting binder and to the use of such mixtures or reaction mixtures in a no-bake method for producing metal bodies.

IPC 8 full level
B22C 1/22 (2006.01)

CPC (source: EP US)
B22C 1/224 (2013.01 - EP US)

Citation (opposition)
Opponent : ASK Chemicals GmbH
• US 4634723 A 19870106 - GARDZIELLA ARNO [DE], et al
• US 5486557 A 19960123 - AKERBERG DENIS W [US]
• DE 102008024727 A1 20091126 - ASHLAND SUEDCHEMIE KERNFEST [DE]
• US 5741914 A 19980421 - EVERETT GEORGE S [US], et al
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• US 4176114 A 19791127 - STEWART PATRICK H [US], et al
• PAUL R. CAREY ET AL.: "Sand Binder Systems Part IV - "Fu- ran No-Bake", FOUNDRY MANAGEMENT & TECHNOLOGY, July 1995 (1995-07-01), pages 26 - 30, XP055722474
• KREY THOMAS: "Nachstellung des bindemittels KH-Z2 aus patent EP 2651581 B1", ASK CHEMICALS - WE ADVANCE YOUR CASTING, 1 April 2020 (2020-04-01), pages 1 - 11, XP055962681
• ANONYMOUS: "VERORDNUNG (EG) Nr. 790/2009 DER KOMMISSION vom 10. August 2009 zur Änderung der Verordnung (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen zwecks Anpassung an den technischen und wissenschaftlichen Fortschritt ", AMTSBLATT DER EUROPÄISCHEN UNION, 9 May 2009 (2009-05-09), pages 1 - 4, XP055962684

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WO 2012080454 A1 20120621; CN 103379971 A 20131030; CN 103379971 B 20150930; DE 202011110617 U1 20150429; EP 2651581 A1 20131023; EP 2651581 B1 20190703; EP 3495073 A2 20190612; EP 3495073 A3 20190710; EP 3495073 B1 20200715; ES 2746190 T3 20200305; ES 2816451 T3 20210405; JP 2014501175 A 20140120; JP 5913359 B2 20160427; PL 2651581 T3 20200131; PL 3495073 T3 20201130; TW 201235374 A 20120901; TW I564317 B 20170101; US 2014048740 A1 20140220; US 9993863 B2 20180612

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