

Title (en)

LOW-EMISSION COLD-SETTING BINDER FOR THE FOUNDRY INDUSTRY

Title (de)

EMISSIONSARMES KALTHÄRTENDES BINDEMittel FÜR DIE GIEßEREIINDUSTRIE

Title (fr)

LIANT DURCISSANT À FROID À FAIBLES ÉMISSIONS POUR L'INDUSTRIE DE LA FONDERIE

Publication

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Application

EP 11808845 A 20111216

Priority

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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
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- US 6077883 A 20000620 - TAYLOR THOMAS JOHN [US], et al
- PAUL R. CAREY: "Sand Binder Systems Part V- Furan No-Bake", FOUNDRY MANAGEMENT & TECHNOLOGY, July 1995 (1995-07-01), pages 26 - 30, XP055722474

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EP3085724B1

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