

Title (en)

Method for preventing mold explosions during continuous casting of free machining steels.

Title (de)

Verfahren zum Verhüten von Form-Explosionen während des Stranggiessens von Automatenstählen.

Title (fr)

Procédé pour éviter des explosions de moules pendant la coulée continue d'aciers de décolletages.

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Application

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Priority

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Abstract (en)

Molten steel containing lead and/or bismuth is continuously cast without explosions in the casting mold. The mold has sidewalls whose interior surface is coated with a non-organic lubricant which is not violently reactive thermally or chemically, under the conditions of continuous casting existing within the mold, to produce explosions, and does not breakdown under those conditions to produce a compound which is explosive under those conditions. Conventional petroleum-base lubricants for the continuous casting of molten steel are excluded.

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