

Title (en)

Dummy bar head seal system in a mould of a bar casting assembly for casting large-scale preliminary forms

Title (de)

Kaltstrangkopf-Abdichtsystem in einer Kokille einer Stranggiessanlage zum Giessen grossformatiger Vorprofile

Title (fr)

Système d'étanchéité d'une tête de fausse barre dans une coquille d'une installation de coulée continue pour couler des ébauches de profilés de grand format

Publication

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Application

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Priority

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Abstract (en)

The dummy bar head-sealing system in a mould (3) of a bar casting plant, comprises a flat gasket (6) sealing a column between the dummy bar head (1) and the mould, and/or a packaging plate (7, 8) holding the flat gasket at the dummy bar head. The packaging plate has a cross-sectional form of the mould profile and covers the flat gasket. The packaging plate comprises two symmetrical disk halves lying to each other in a plain. The disk halves are relocatable to mould middle and are separated from one another in an interval, whose width is dependent of the conicity of the mould. The dummy bar head-sealing system in a mould (3) of a bar casting plant, comprises a flat gasket (6) sealing a column between the dummy bar head (1) and the mould, and/or a packaging plate (7, 8) holding the flat gasket at the dummy bar head. The packaging plate has a cross-sectional form of the mould profile and covers the flat gasket. The packaging plate comprises two symmetrical disk halves lying to each other in a plain. The disk halves are relocatable to mould middle and are separated from one another in an interval, whose width is dependent of the conicity of the mould. The flat gasket safely projects to the packaging plate, exists between the packaging plate and the mould and forms a safe sealing. One of the two packaging plates is mounted on the dummy bar head. The packaging plate is mounted against the dummy bar head with tie rods. The plate halves of the packaging plates are equipped with through-bores formed as apart slots for the tie rods. The packaging plate is equipped with a strengthening rib (23) passing in longitudinal direction.

Abstract (de)

Bei einem Kaltstrangkopf-Abdichtsystem in einer Kokille einer Stranggiessanlage zum Giessen grossformatiger Vorprofile ist eine den Spalt zwischen dem Kaltstrangkopf und der Kokille abdichtenden Flachdichtung (6) vorgesehen, welche an einer am Kaltstrangkopf enthaltenden Verpackungsplatte (7) festgehalten ist. Letztere weist annähernd die Querschnittsform des Kokillenprofils auf und überdeckt die Flachdichtung (6). Die Verpackungsplatte (7) ist um einen von der Konizität der Kokille (3) abhängigen Betrag zur Kokillenmitte hin verstellbar. Zu diesem Zwecke besteht sie aus zwei zueinander in einer Ebene liegenden Plattenhälften (7a, 7b). Dadurch ist es möglich, beim Einziehen des Kaltstrangkopfes den schrägen Verlauf der Kokille mit der sich zusammenziehenden Verpackungsplatte soweit auszugleichen, dass der Dichtspalt zwischen Verpackungsplatte und Kokille allseits gleichmässig bleibt.

IPC 8 full level

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Citation (applicant)

- DE 102004046333 A1 20050602 - MANNESMANN ROEHREN WERKE AG [DE]
- DE 3230183 A1 19830414 - VOEST ALPINE AG [AT]
- EP 1249287 A1 20021016 - SMS DEMAG AG [DE]
- US 3587716 A 19710628 - CIOCHETTO JOSEPH J
- US 3262161 A 19660726 - ANDRZEJAK SIGMUND L, et al
- EP 0234299 A2 19870902 - THYSSEN STAHL AG [DE], et al

Citation (search report)

- [XA] DE 102004046333 A1 20050602 - MANNESMANN ROEHREN WERKE AG [DE]
- [XA] DE 3230183 A1 19830414 - VOEST ALPINE AG [AT]
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