

Title (en)

Supporting device for the side walls of a continuous roll caster installation for the production of metallic strips

Title (de)

Stützvorrichtung für die Seitenwände einer Walzenstranggiessanlage zum Herstellen metallischer Bänder

Title (fr)

Dispositif de soutien d'une face latérale d'une installation de coulée continue de bandes métalliques entre cylindres

Publication

EP 0759335 A1 19970226 (FR)

Application

EP 96401654 A 19960725

Priority

FR 9509907 A 19950818

Abstract (en)

The support, designed for the lateral face of a continuous casting unit with two cooled cylinders (1) having horizontal axes, consists of a carriage (5) which can be moved parallel to the axes of the cylinders and has a thrust member (6) and a panel (4) joined to the lateral face of a cylinder through a thrust plate (8) and thrust elements (9, 9', 9", 9'''). The panel has at least one long bolt (11, 11') which passes through the thrust plate and has its free end equipped with a stop (13, 13') which can be applied against the rear face of the thrust plate. The long bolts can be three in number, distributed over an area corresponding to the shape of the lateral face, and the thrust elements (9, 9', 9", 9''') can be in the form of springs or power cylinders.

Abstract (fr)

L'invention concerne un dispositif de support d'une face latérale (2) d'une installation de coulée continue entre cylindres de produits métalliques minces du type comportant deux cylindres (1) refroidis à axes horizontaux, deux faces latérales (2) appliquées contre les chants (3) des cylindres (1), ledit dispositif de support comportant un chariot (5) déplaçable à la commande selon une direction parallèle aux axes des cylindres (1), un dispositif de poussée (6) porté par ledit chariot (5), et une platine (4) solidaire de la face latérale (2), reliée audit dispositif de poussée (6) par l'intermédiaire d'une plaque de poussée (8) et d'organes de poussée (9, 9', 9", 9''') prenant appui sur ladite plaque de poussée (8) et ladite platine (4), caractérisé en ce que ladite platine (4) comporte au moins un tirant (11, 11') traversant la plaque de poussée (8) et dont l'extrémité libre est équipée d'une butée (13, 13') pouvant venir s'appliquer contre la face arrière (14) de ladite plaque de poussée (8). <IMAGE>

IPC 1-7

B22D 11/06

IPC 8 full level

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B22D 11/00 (2013.01 - KR); **B22D 11/066** (2013.01 - EP US)

Citation (search report)

- [AP] EP 0698433 A1 19960228 - USINOR SACILOR [FR], et al & FR 2721843 A1 19960105 - UNISOR SACILOR [FR], et al
- [AD] EP 0546206 A1 19930616 - NIPPON STEEL CORP [JP]

Cited by

FR2787360A1; AU753213B2; AU753213C; US6488075B1; WO0037198A1

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