

Title (en)

INSPECTION SYSTEM AND METHOD FOR SIMULTANEOUSLY CHECKING THE FUNCTIONAL CAPABILITY OF A PLURALITY OF SPRAY NOZZLES IN A CONTINUOUS CASTING PLANT, IN PARTICULAR THE SPRAY NOZZLES ARRANGED BETWEEN TWO STRAND GUIDE ROLLS

Title (de)

INSPEKTIONSSYSTEM UND VERFAHREN ZUM GLEICHZEITIGEN ÜBERPRÜFEN DER FUNKTIONSFÄHIGKEIT VON MEHREREN SPRITZDÜSEN IN EINER STRANGGIESSANLAGE, INSBESONDERE VON DEN ZWISCHEN ZWEI STRANGFÜHRUNGSROLLEN ANGEORDNETEN SPRITZDÜSEN

Title (fr)

SYSTÈME D'INSPECTION ET PROCÉDÉ DE VÉRIFICATION SIMULTANÉE DE L'APTITUDE FONCTIONNELLE D'UNE PLURALITÉ DE BUSES DE PULVÉRISATION DANS UNE INSTALLATION DE COULÉE CONTINUE, EN PARTICULIER DES BUSES DE PULVÉRISATION DISPOSÉES ENTRE DEUX ROULEAUX DE GUIDAGE DE BRIN

Publication

**EP 4146417 B1 20231213 (DE)**

Application

**EP 21725717 A 20210506**

Priority

- DE 102020205740 A 20200507
- EP 2021061964 W 20210506

Abstract (en)

[origin: WO2021224377A1] The invention relates to an inspection system (1) for simultaneously checking the functional capability of a plurality of spray nozzles (2) in a continuous casting plant (3), in particular the spray nozzles (2) arranged between two strand guide rolls (4), comprising: at least one optoelectronic sensor (5) for each spray nozzle (2) to be checked simultaneously, and means for assigning (6) each of the spray patterns produced by the spray nozzles (2) to be checked to at least one optoelectronic sensor (5). The invention further relates to a method for simultaneously checking the functional capability of a plurality of spray nozzles (2) in a continuous casting plant (3), in particular the spray nozzles (2) arranged between two strand guide rolls (4).

IPC 8 full level

**B22D 11/08** (2006.01); **B22D 11/124** (2006.01); **B22D 11/22** (2006.01); **B22D 45/00** (2006.01)

CPC (source: EP)

**B22D 11/081** (2013.01); **B22D 11/124** (2013.01); **B22D 11/1246** (2013.01); **B22D 11/225** (2013.01); **B22D 45/00** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102020205740 A1 20211111**; EP 4146417 A1 20230315; EP 4146417 B1 20231213; WO 2021224377 A1 20211111

DOCDB simple family (application)

**DE 102020205740 A 20200507**; EP 2021061964 W 20210506; EP 21725717 A 20210506