

Title (en)
FEED GRATE WITH GRATE TRACK SEPARATION ELEMENTS

Title (de)
VORSCHUBROST MIT ROSTBAHNTRENNUNGSELEMENTEN

Title (fr)
GRILLE D'AVANCE DOTÉE D'ÉLÉMENTS DE SÉPARATION DE VOIES DE GRILLE

Publication
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Application
EP 17761813 A 20170628

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Abstract (en)
[origin: WO2018149516A1] The invention relates to a feed grate of a grate furnace, comprising grate tracks which are made of individual grate rods (7, 8) that are arranged in multiple longitudinal and transverse rows in a stepped manner and which are inclined. A central beam (13) which is made of a plurality of individual grate track separation elements (4) arranged in a row in a stationary manner is formed between two grate tracks, and a respective first stationary grate rod (7) and a paired second grate rod (8) which can be moved in a feeding direction are arranged multiple times in each of the grate track (2) rod rows (5) adjacent to the grate track separation elements (4) in the longitudinal direction (L). Each of the grate track separation elements (4) is formed as a cast part with tubular lines through which water can flow and which are formed in cast part walls during the casting process of the cast part. A readily castable grate track separation element is to be provided with an improved adaptation to the grate rod geometry of the feed grate. This is achieved in that at least some of the plurality of grate track separation elements (4) have a flat support surface (15) on the upper face, an upright end surface (16) on the front face in the feed direction of the feed grate (1), and a front support surface (17) and, at a distance therefrom, a rear grate rod support receiving area (18), which is designed in the form of a recess, on the lower face.

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