

Title (en)  
DEVICE FOR THE CONTINUOUS CASTING OF METAL

Title (de)  
EINRICHTUNG ZUM STRANGGIESSEN VON METALL

Title (fr)  
UNITE POUR REALISER LA COULEE CONTINUE DE METAL

Publication  
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Application  
**EP 00958434 A 20000811**

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• EP 0007857 W 20000811

Abstract (en)  
[origin: DE19940997A1] The invention relates to a device for the continuous casting of metal that consists of a lifting platform (3a, 3b) that is driven by a drive aggregate (4a, 4b) so as to oscillate, and that further comprises a die for continuous casting that is received by the lifting platform and a stationary supporting structure (2a, 2b) that is provided with guide elements for receiving the lifting platform. The aim of the invention is to improve the guide elements of the supporting structure. To this end, the guide elements are configured as an elastic spring system (61a to 64a, 61b to 64b). Said spring system consists of two spring legs (201, 202; 301, 302) that are at angles with respect to each other and that extend in a direction perpendicular to the direction of oscillation. The two spring legs are bifurcated and the overlapping upper and lower ends (211a, 211b, 212a, 212b; 311a, 311b, 312a, 312b) of the two spring legs represent the support surface for the elevated platform (3a, 3b) or the connecting surface with the stationary supporting structure (2a, 2b). The spring system, in addition to the force in the direction of oscillation, also compensates interfering forces in the direction perpendicular to the direction of oscillation in order to establish a load balance.

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IPC 8 full level  
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