

Title (en)  
METAL STRIP STABILIZER

Title (de)  
METALLSTREIFENSTABILISATOR

Title (fr)  
STABILISATEUR DE BANDE DE MÉTAL

Publication  
**EP 2743368 B1 20160601 (EN)**

Application  
**EP 12821917 A 20120807**

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Abstract (en)  
[origin: EP2743368A1] Provided is a metal strip stabilizer with which loss in vibration suppression performance caused by an induced current between a vibration suppression coil and a position correction coil may be prevented. The metal strip stabilizer according to the present invention includes: a non-contact displacement sensor that measures displacement of a metal strip 2 during online running; a control unit 5 that outputs a vibration suppression signal and a position correction signal after a signal is input from the non-contact displacement sensor; a vibration suppression coil 7a that generates a magnetic force in accordance with the vibration suppression signal output from the control unit 5; a position correction coil 7b that generates a magnetic force in accordance with the position correction signal output from the control unit 5, a winding number thereof being larger than a winding number of the vibration suppression coil 7a; a core 6 around which the vibration suppression coil 7a and the position correction coil 7b are wound concentrically and that induces the magnetic force generated by the vibration suppression coil 7a and the position correction coil 7b to the metal strip 2; and a counter induced current coil 13a that is disposed in series to an electric circuit supplying electricity to the position correction coil 7b.

IPC 8 full level  
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