

Title (en)  
REEL DEVICE FOR LARGE THICKNESS RANGE OF METAL STRIPS

Title (de)  
HASPELEINRICHTUNG FÜR GROSSEN DICKENBEREICH VON METALLBÄNDERN

Title (fr)  
DISPOSITIF D'ENROULEMENT POUR UNE PLAGE DE GRANDES ÉPAISSEURS DE BANDES MÉTALLIQUES

Publication  
**EP 4019158 B1 20231101 (DE)**

Application  
**EP 20216982 A 20201223**

Priority  
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Abstract (en)  
[origin: US2022193743A1] A coiling device includes a coiler (1) having a coiling mandrel (3) for coiling a metal strip (2) which is fed (x) to the coiler (1), and a coiling swing arm (4) having a front and a rear pressure roller (5, 6) and a deflection plate (7). A swing arm drive (8) lines up the coiling swing arm (4) with the coiling mandrel (3) and is driven away from the coiling mandrel (3). An upper duct flap (9) upstream of the coiler (1) in the feed direction (x) for guiding the metal strip (2). A flap drive (10) for positioning the upper duct flap (9) such that, when the coiling swing arm (4) is lined up with the coiling mandrel (3), the upper duct flap is arranged between the coiling mandrel (3) and the front pressure roller (5) of the coiling swing arm (4) or is arranged upstream of the front pressure roller (5) of the coiling swing arm (4). In the first-mentioned case, the metal strip (2) is deflected around the coiling mandrel (3) only by the rear pressure roller (6) and the deflection plate (7) of the coiling swing arm (4) and, in the last-mentioned case, additionally also by the front pressure roller (5).

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