

Title (en)

Device for horizontal spray compacting.

Title (de)

Einrichtung zur horizontalen Sprühkompaktierung.

Title (fr)

Installation de compacter pour pulvériser horizontalement.

Publication

**EP 0380827 B1 19940706 (DE)**

Application

**EP 89250125 A 19891221**

Priority

- DE 3903597 A 19890203
- DE 3905873 A 19890223

Abstract (en)

[origin: US5060713A] The apparatus includes a spray chamber having a transport device for positioning a billet adjacent a nozzle for spraying a stream of molten metal onto the surface of the billet. The billet is engaged by a tandem arrangement of holding devices which are attached to driven ring gears. With the holding devices engaging the billet rotation of the ring gears rotates the billet about its longitudinal axis as the billet is sprayed with molten metal from the nozzle. As the billet is rotated it is also moved longitudinally by servo-cylinders attached to the ring gears. The servo-cylinders advance and retract in sequence as the ring gears rotate to generate combined longitudinal and rotational movement of the billet adjacent the nozzle. Thus a uniform layer of metal is deposited over length of the billet to form a round billet exclusively by spray-casting.

IPC 1-7

**B22D 23/00**; **C23C 4/12**

IPC 8 full level

**B05B 7/16** (2006.01); **B22D 23/00** (2006.01); **B22F 3/115** (2006.01); **C23C 4/12** (2006.01); **C23C 4/14** (2006.01)

CPC (source: EP US)

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