

Title (en)

INDUCTOR WITH TRAVELLING FIELD AND ORIENTATED FLUX FOR A STIRRER FOR CONTINUOUS CASTING SLABS

Publication

**EP 0053060 B1 19840411 (FR)**

Application

**EP 81401776 A 19811109**

Priority

FR 8024960 A 19801125

Abstract (en)

[origin: ES8300536A1] A translating field inductor for the stirring roller of a continuous slab caster includes a grooved arbor carrying flat magnetic sheets disposed parallel to the axis of the arbor, the latter and the sheets being notched by a series of circumferential grooves spaced over the length of the arbor and housing circular induction coils. In order to concentrate the magnetic flux on the moving slab in the course of the continuous casting, the arbor is stationary and is made of a nonmagnetic metal with good electrical conductivity. It has a longitudinal groove with a wide transverse cross section housing a single packet of sheets, which constitutes the magnetic core of the inductor. The arbor forms a screen for the magnetic flux generated by the induction coils with the entire assembly being such that the magnetic flux is oriented in a fixed, prescribed direction.

IPC 1-7

**B22D 11/12**

IPC 8 full level

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CPC (source: EP US)

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