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(54) Title: THIN CAST STEEL STRIP WITH REDUCED MICROCRACKING

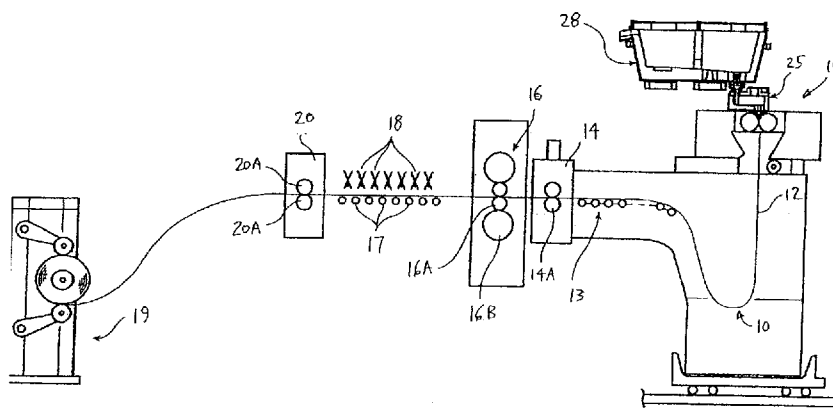


Fig. 1

(57) Abstract: A thin cast steel strip and method of making thereof with improved resistance to microcracking is disclosed. The steel strip is produced by continuous casting and contains a carbon content between about 0.010% and about 0.065% by weight, less than 5.0% by weight chromium, at least 70 ppm of total oxygen and between 20 and 70 ppm of free oxygen, and manganese to sulfur ratio greater than about 250:1. The carbon content in the cast strip may be below 0.035%, less than 0.005% by weight titanium, and the average manganese to silicon ratio in the strip produced may be greater than 3.5:1. The carbon content may be less than 0.035%, the casting speed less than 76.68 meters per minute, and the tundish temperature of the molten metal is maintained below 1612°C (2933.7°F).



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