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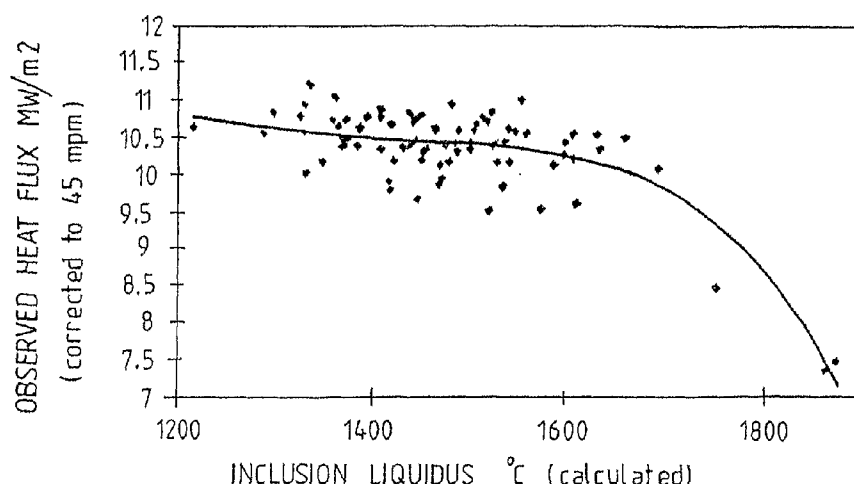
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(54) Title: A STEEL PRODUCT WITH A HIGH AUSTENITE GRAIN COARSENING TEMPERATURE, AND METHOD FOR MAKING THE SAME



(57) Abstract: A steel product with a high austenite grain coarsening temperature having less than 0.4% carbon, less than 0.06% aluminium, less than 0.01% titanium, less than 0.01% niobium, and less than 0.02% vanadium by weight, and having fine oxide particles containing silicon and iron distributed through the steel microstructure having an average particle size less than 50 nanometers and may be between 5 and 30 nanometers. The steel product may have fine oxide particles distributed through the microstructure capable of restricting ferrite recrystallisation for strain levels up to at least 10.0 %, for temperatures up to 750 °C with holding times up to 20 minutes. The steel product may be made by continuous casting of steel strip introduced between the casting rolls to form a casting pool of molten carbon steel having a total oxygen content of at least 70 ppm usually less than 250 ppm, and a free oxygen content 20 and 60 ppm, counter rotating the casting rolls.

WO 2007/045038 A1



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