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A B S T R A C T

A steel sheet for a tension mask excellent in the shielding properties from geomagnetism consists essentially of lower than 0.1% by weight of C, lower
5 than 0.2% by weight of Si, 0.4 to 2% by weight of Mn, not higher than 0.1% by weight of P, not higher than 0.03% by weight of S, not higher than 0.01% by weight of sol. Al, 0.003 to 0.02% by weight of N and the
10 balance of Fe, and has an anhysteretic magnetic permeability of 5,000 or higher.