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Recent Activities in Research of Steel Plate Products

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Synopsis :

Major research subjects regarding steel plates

Recent Activities in Research of Steel Plate Products



要旨

市場ニーズにもとづいた、厚鋼板に関する 10 年間の主要研究テーマは、高強度/高靱性化、TMCP とマイクロアロイングを組み合わせた鋼の高性能化とプロセス簡略化、溶接熱影響部 (HAZ) の靱

Market needs	Research theme	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998
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(mass%)

(Thickness direction)

v

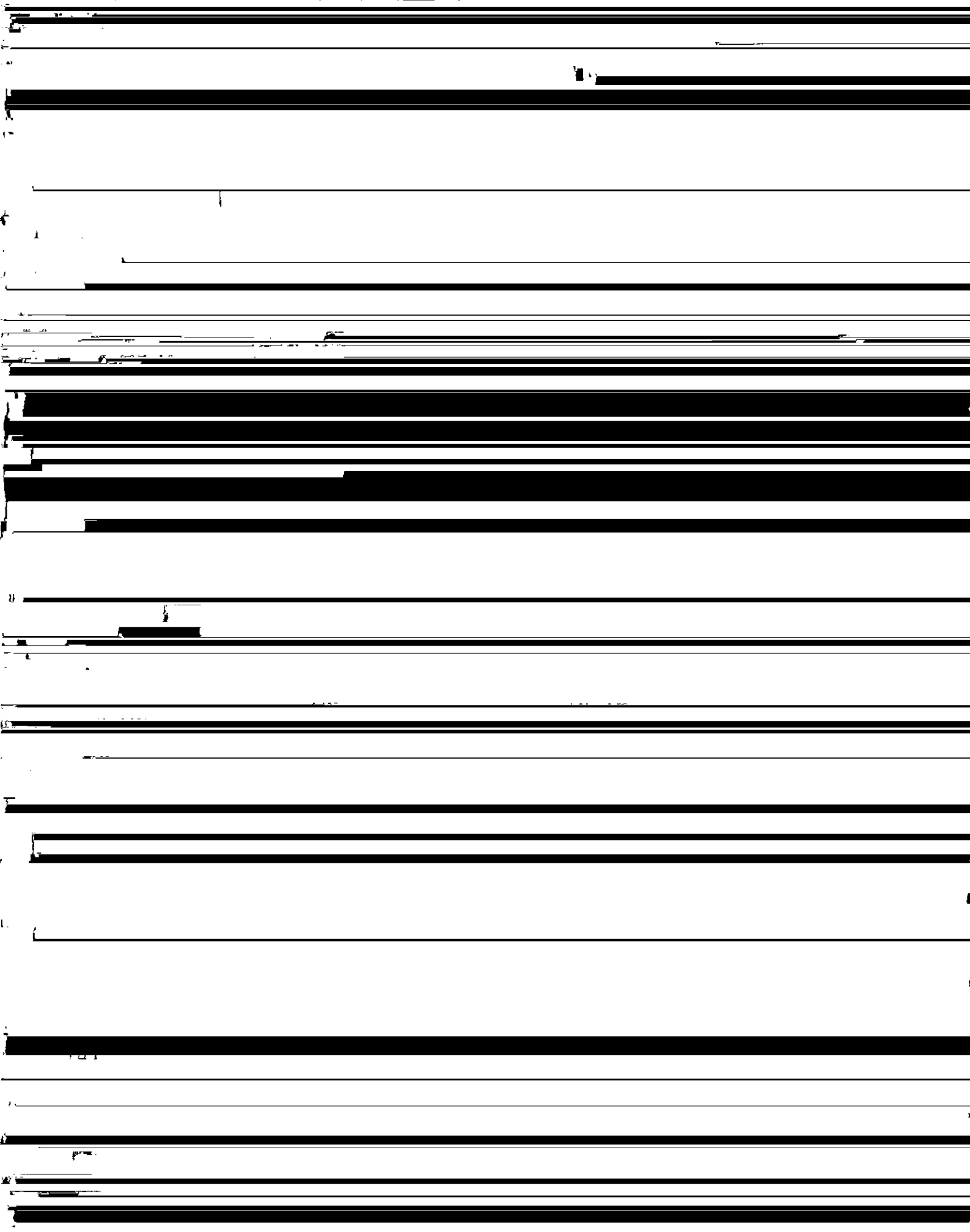


Table 1 Chemical compositions of extremely-low carbon bainitic steel

										(mass%)	
C	Si	Mn	P	S	Al	Ti	N	Others	Ceq	Pcm	

$$C_{eq} = C + Mn/6 + Si/24 + Ni/40 + Cr/5 + Mo/4 + V/14$$

$$P_{cm} = C + Si/30 + Mn/20 + Cr/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + 5P$$

