

WELDED JOINT HAVING EXCELLENT FATIGUE STRENGTH

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ABSTRACT OF THE DISCLOSURE

10 A propagation speed of a fatigue crack in a HAZ is
restricted, and a fatigue strength of an as-welded joint
can be improved, by limiting an area ratio of a ferrite
micro-structure in the HAZ of the welded joint to 20 to
100% and the balance to one of a bainite, a martensite, a
pearlite and a residual austenite micro-structure, or
15 limiting a carbon equivalent of a steel plate used for
the welded joint to not greater than 0.275.