(0.5 - Mo) + 0.2 x (0.04 - V) - 0.05 x (0.06 - Al)) (3)

wherein element symbols in the formulae denote the respective alloy component contents (% by mass), and in the absence of an element the element symbol is denoted by 0.

[Claim 2]

The thick-walled high-toughness high-strength steel plate according to Claim 1, further comprising, on a mass percent basis, one or two or more of

Cu: 0.50% or less,

Mo: 1.50% or less,

V: 0.400% or less,

Nb: 0.100% or less, and

Ti: 0.005% to 0.020%.

[Claim 3]

The thick-walled high-toughness high-strength steel plate according to Claim 1 or 2, further comprising, on a mass percent basis, at least one of

Mg: 0.0001% to 0.0050%,

Ta: 0.01% to 0.20%,

Zr: 0.005% to 0.1%,

Y: 0.001% to 0.01%,

B: 0.0030% or less,

Ca: 0.0005% to 0.0050%, and

REM: 0.0005% to 0.0100%.

[Claim 4]