

Title (en)
TWO-PHASE STAINLESS STEEL AND PRODUCTION METHOD THEREFOR

Title (de)
ZWEIPHASIGER EDELSTAHL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
ACIER INOXYDABLE À DEUX PHASES ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 3211107 A1 20170830 (EN)

Application
EP 15852926 A 20151023

Priority
• JP 2014217632 A 20141024
• JP 2015079962 W 20151023

Abstract (en)
A duplex stainless steel is provided that has a chemical composition comprising, by mass%, C: 0.03% or less, Si: 1.0% or less, Mn: 1.0% or less, P: 0.04% or less, S: 0.01% or less, Cu: 0.1 to 1.0%, Ni: 5.0 to 7.5%, Cr: 22.0 to 26.0%, W: 6.0 to 12.0%, N: 0.20 to 0.32%, Mo: 0.01% or less, and a balance: Fe and impurities, in which a metal micro-structure contains, by area ratio, 0.40 to 0.60 of an α -phase, with a balance being a β -phase and 0.01 or less of other phases.

IPC 8 full level
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CPC (source: EP US)
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BA ME

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