

Title (en)
DUAL-PHASE STAINLESS STEEL

Title (de)
ZWEIPHASIGER EDELSTAHL

Title (fr)
ACIER INOXYDABLE À DEUX PHASES

Publication
EP 3126537 B1 20200513 (EN)

Application
EP 15712762 A 20150312

Priority
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Abstract (en)
[origin: US2015275340A1] A dual-phase ferritic-martensitic stainless steel includes, by weight, about 11.5% to about 12% Cr, about 0.8% to about 1.5% Mn, about 0.75% to about 1.5% Ni, 0% to about 0.5% Si, 0% to about 0.2% Mo, 0% to about 0.0025% B, Fe, and impurities. In various embodiments, the steel has a Brinell hardness (HB) and Charpy V-notch impact energy at -40° C. (CVN) such that CVN (ft-lb)+(0.4×HB) is about 160 or greater. Articles of manufacture including the stainless steels also are disclosed.

IPC 8 full level
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