

Title (en)
DUAL-PHASE STAINLESS STEEL

Title (de)
ZWEIPHASIGER EDELSTAHL

Title (fr)
ACIER INOXYDABLE À DEUX PHASES

Publication
EP 3126537 A1 20170208 (EN)

Application
EP 15712762 A 20150312

Priority
• US 201414231778 A 20140401
• US 2015020122 W 20150312

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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Citation (search report)
See references of WO 2015153092A1

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US 2015275340 A1 20151001; AU 2015241412 A1 20161020; AU 2015241412 B2 20191121; CA 2944491 A1 20151008; CN 106460128 A 20170222; EP 3126537 A1 20170208; EP 3126537 B1 20200513; ES 2808627 T3 20210301; JP 2017512907 A 20170525; JP 6621419 B2 20191218; KR 20160140733 A 20161207; MX 2016012853 A 20171016; PL 3126537 T3 20201102; RU 2016142683 A 20180504; RU 2016142683 A3 20181228; RU 2721668 C2 20200522; SI 3126537 T1 20200930; TW 201602361 A 20160116; TW I651419 B 20190221; UA 119168 C2 20190510; WO 2015153092 A1 20151008

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