

Title (en)
ALLOY STEEL POWDER

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EP 0050969 B1 19840704 (EN)

Application
EP 81305004 A 19811023

Priority
US 20052780 A 19801024

Abstract (en)
[origin: EP0050969A1] A corrosion resistant alloy steel powder is described, containing, by weight: 16-19% chromium, 12-13% nickel, up to 2% manganese up to 4% molybdenum, up to 0.2% carbon, 1.7 - 3.0% silicon and 0.04 - 0.24% phosphorus, the balance being essentially iron. The alloy powder is a modification of 300 series stainless steels and includes increased amounts of silicon and phosphorus. The alloy powder is useful in making fully dense, corrosion resistant products using powder metallurgy techniques.

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IPC 8 full level
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EP 0050969 A1 19820505; EP 0050969 B1 19840704; BR 8106856 A 19820706; CA 1193891 A 19850924; DE 3164598 D1 19840809; ES 506504 A0 19821101; ES 8300872 A1 19821101; IN 153975 B 19840908; JP S5798659 A 19820618; JP S6123841 B2 19860607; MX 156202 A 19880725

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