

Title (en)

Ferritic stainless steel for the production of tubes by electric resistance welding (erw) process

Title (de)

Feritischer rostfreier Stahl, elektrisches Widerstandsschweißen zur Herstellung von Rohren

Title (fr)

Acier ferritique inoxydable Soudage par résistance électrique pour la production de tubes

Publication

EP 1016732 A1 20000705 (EN)

Application

EP 99302787 A 19990409

Priority

BR PI9805859 A 19981230

Abstract (en)

This patent refers to a ferritic stainless steel which presents good resistance to corrosion and oxidation at high temperatures, with good performance when used for producing tubes by a welding process called ERW - Electric Resistance Welding (resistance welding at high frequency).. Such tubes are commonly employed in automobile exhaust systems and must present good expansion and bending ability so that they can be properly used for that specific object and present the following chemical composition: <TABLE>

IPC 1-7

C22C 38/26; **C22C 38/28**

IPC 8 full level

C22C 38/26 (2006.01); **C22C 38/28** (2006.01)

CPC (source: EP)

C22C 38/26 (2013.01); **C22C 38/28** (2013.01)

Citation (search report)

- [X] EP 0834590 A1 19980408 - NIPPON STEEL CORP [JP]
- [A] US 4078919 A 19780314 - KADO SATOSHI, et al
- [X] CHEMICAL ABSTRACTS, vol. 126, no. 25, 23 June 1997, Columbus, Ohio, US; abstract no. 332895, FRANSON, IVAN A. ET AL: "Stabilization requirements for T409 (UNS S40900) ferritic stainless steel" XP000882256 & SOC. AUTOMOT. ENG., [SPEC. PUBL.] SP (1997), SP-1265(CORROSION PREVENTION), 155-161, XP000882256
- [X] CHEMICAL ABSTRACTS, vol. 121, no. 8, 22 August 1994, Columbus, Ohio, US; abstract no. 88320, MOSES, R. ET AL: "Precipitation behavior of IF 409 ferritic stainless steels" XP000882199 & MECH. WORK. STEEL PROCESS. CONF. PROC. (1994), VOLUME DATE 1993, 31, 435-42, XP000882199
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