

Title (en)
AN OBJECT COMPRISING A PRE-OXIDIZED NICKEL-BASED ALLOY

Title (de)
OBJEKT MIT VOROXIDIERTER LEGIERUNG AUF NICKELBASIS

Title (fr)
OBJET COMPRENANT UN ALLIAGE À BASE DE NICKEL PRÉ-OXYDÉ

Publication
EP 3458620 A1 20190327 (EN)

Application
EP 17723722 A 20170519

Priority
• EP 16170756 A 20160520
• EP 2017062136 W 20170519

Abstract (en)
[origin: WO2017198831A1] The present application relates to an object comprising a pre-oxidized nickel based alloy comprising in percent by weight (wt-%) C 0.05-0.2; Si max 1.5; Mn max 0.5; Cr 15-20; Al 4-6; Fe 15-25; Co max 5; N 0.03-0.15; O max 0.5; one or more elements selected from the group consisting of Ta, Zr, Hf, Ti and Nb 0.25-2.2; one or more elements selected from the group consisting of REM max 0.5; balance Ni and normally occurring impurities an also to the use of said object wherein the use is in an environment comprised of high concentration of nitrogen, low partial pressure of oxygen and high temperature.

IPC 8 full level
C22C 19/05 (2006.01)

CPC (source: EP US)
C22C 19/05 (2013.01 - EP US); **C22C 19/058** (2013.01 - US)

Designated contracting state (EPC)
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EP 2017062136 W 20170519; CN 201780031213 A 20170519; EP 17723722 A 20170519; JP 2018560765 A 20170519;
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