

Nano-Scale Nitride-Particle Strengthened High-Temperature Ferritic and Martensitic Steels Produced by a Thermo-Mechanical Treatment Process

Disclosure Number

200401377

Technology Summary

New high-nitrogen transformable (from austenite to martensite and/or bainite and/or ferrite) steels are processed by a special thermo-mechanical treatment that produces high elevated-temperature strength.

Inventor

KLUEH, RONALD
Metals & Ceramics Division

Licensing Contact

DETRANA, ALEXANDER G
UT-Battelle, LLC
Oak Ridge National Laboratory
Rm 139, Bldg 4500N, MS: 6196
1 Bethel Valley Road
Oak Ridge, TN 37831

Office Phone: (865) 576-9682

E-mail: DETRANAAG@ORNL.GOV

Note: The technology described above is an early stage opportunity. Licensing rights to this intellectual property may be limited or unavailable. Patent applications directed towards this invention may not have been filed with any patent office.