

Title (en)

LOW STRAIN HIGH DUCTILITY ALLOY

Title (de)

HOCHVERFORMBARE LEGIERUNG MIT NIEDRIGER SPANNUNG

Title (fr)

ALLIAGE À FAIBLE DÉFORMATION ET HAUTE DUCTILITÉ

Publication

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Application

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Abstract (en)

[origin: WO2016034865A1] The present invention relates to alloys used to prepare a low strain steel pipes for use in chemical engineering applications. In particular, the invention relates to low carbon high strength steel alloys and pipes made from such alloys which have low strain but high ductility at elevated temperatures. Such pipes are typically used in chemical plants for transporting reactants and products, as the inlet manifolds in plants for producing hydrogen and methanol. They may be used in plant such as steam reformer furnaces which include inlet manifolds that need to possess good creep resistance (low strain) as well as having good thermo-mechanical fatigue resistance (high ductility).

IPC 8 full level

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