

Title (en)

METHOD OF PRODUCTION OF HIGH-PRESSURE SEAMLESS CYLINDER FROM CORROSION-RESISTANT STEEL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN HOCHDRUCKZYLINDERS AUS EDELSTAHL

Title (fr)

PROCÉDÉ DE FABRICATION D'UN CYLINDRE HAUTE PRESSION SANS JOINTURE EN ACIER INOXYDABLE

Publication

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Application

EP 16707614 A 20160108

Priority

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- CZ 2016050001 W 20160108

Abstract (en)

[origin: WO2017092721A1] Blank (1) of corrosion-resistant steel is coated with coating (2) of water glass with thickness of 20 to 150 µm, cured at 15 to 60 °C, and heated in an induction furnace to the temperature of 1180°C to 1260°C. The heated up blank (1) is without cooling by water descaling transferred into an extrusion press and extruded here, while the coating (2) is broken to pieces and largely removed. Then drawing in a horizontal drawing press and necking are performed. After forming to the final shape of the cylinder, leftovers of coating (2) are removed by pressure blasting. A corrosion-resistant thin-walled seamless high-pressure cylinder with volume of 5 to 260 litres is manufactured.

IPC 8 full level

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CPC (source: EP RU US)

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