

Title (en)
AN ELONGATED STEEL WIRE WITH A METAL COATING FOR CORROSION RESISTANCE

Title (de)
LÄNGLICHER STAHLDRAHT MIT METALLBESCHICHTUNG FÜR KORROSIONSBESTÄNDIGKEIT

Title (fr)
FIL D'ACIER ALLONGÉ À REVÊTEMENT MÉTALLIQUE POUR RÉSISTANCE À LA CORROSION

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Application
EP 15905676 A 20151009

Priority
CN 2015091544 W 20151009

Abstract (en)
[origin: WO2017059578A1] An elongated steel wire is provided, the elongated steel wire comprises a steel filament and a metal coating for corrosion resistance upon the steel filament, the steel filament has a microstructure comprising more than 96% tempered martensite. The elongated steel wire is an environment friend product, and it has good corrosion resistance, abrasion resistance, hardness and strength.

IPC 8 full level
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Citation (search report)
• [E] EP 3250719 A1 20171206 - BEKAERT SA NV [BE]
• [XYI] JP 2003311600 A 20031105 - KANAI HIROAKI
• [XAI] WO 2015052035 A1 20150416 - BEKAERT SA NV [BE]
• [XAI] WO 0168942 A1 20010920 - BEKAERT SA NV [BE], et al
• [Y] US 2012060980 A1 20120315 - LEDOUX LUC STEFAAN [BE], et al
• [Y] US 6070302 A 20000606 - GRAF RALPH A [CH]
• [Y] CN 2185271 Y 19941214 - HUASHEN TEXTILE PRINTING & DIE [CN]
• See references of WO 2017059578A1

Cited by
EP3933061A1; US11225050B1

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