

Title (en)
PROCESS FOR PRODUCING HIGH STRENGTH STEEL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HOCHFESTEM STAHL

Title (fr)
PROCÉDÉ DE FABRICATION D'ACIER À RÉSISTANCE ÉLEVÉE

Publication
EP 2670870 B1 20160120 (EN)

Application
EP 12708776 A 20120131

Priority

- EP 11152816 A 20110131
- EP 11162332 A 20110413
- EP 2012051566 W 20120131
- EP 12708776 A 20120131

Abstract (en)
[origin: WO2012104306A1] Process for producing a high strength steel, wherein the process comprises producing a vacuum-degassed steel melt, wherein the target oxygen content of the melt at the end of the ladle treatment is obtained by measuring the actual oxygen content of the melt and the oxygen level is adjusted by adding Al and/or Zr whereby the excess addition of Al should be avoided and the target oxygen content of the melt at the end of the ladle treatment is at most 100 ppm. Upon casting the steel a strip or slab is obtained of ultra-low carbon steel comprising at most 0.002 % of acid soluble Al and at most 0.004 % Si and a total oxygen content of at most 150 ppm.

IPC 8 full level
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CPC (source: EP)
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Cited by
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