

Title (en)
PROCESS FOR RAPID CEMENTATION IN A CONTINUOUS FURNACE

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EP 0213991 B1 19890125 (FR)

Application
EP 86401584 A 19860716

Priority
FR 8512380 A 19850814

Abstract (en)
[origin: ES8706850A1] Process in which there are injected a carrier gas and a hydrocarbon capable of producing, at conventional carburizing temperatures, an atmosphere of predetermined composition having a nominal concentration of carbon monoxide, a door of the furnace being opened with a given periodicity to permit the passage of a charge to be carburized, the opening of this door resulting in particular in an increase in the concentration of the oxidizing species in the atmosphere of the furnace. According to the invention, the concentration of carbon monoxide of the atmosphere injected into the furnace is increased with the same periodicity so as to compensate for the increase in the concentration of the oxidizing species of the furnace and thus maintain the carbon potential of the carburizing atmosphere of the furnace substantially constant throughout the duration of the carburization of the workpieces of the charge.

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C23C 8/22

IPC 8 full level
C23C 8/20 (2006.01); **C23C 8/22** (2006.01)

CPC (source: EP US)
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Cited by
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