

Title (en)

METHOD FOR CARBURIZING AND CARBONITRIDING STEEL BY CARBON OXIDE

Title (de)

VERFAHREN ZUM ZEMENTIEREN ODER KARBONITRIEREN VON STÄHLEN MIT KOHLENMONOXID

Title (fr)

PROCEDE DE CEMENTATION ET DE CARBONITRURATION DES ACIER PAR L'OXYDE DE CARBONE

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Application

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Abstract (en)

[origin: FR2826376A1] The method for enriching steel with carbon by carbon oxide comprises a step involving heating to a temperature of enrichment in a furnace in a gaseous phase, then an enrichment step involving the introduction of a gas containing carbon oxide. According to the invention, atomic hydrogen is formed in said gaseous phase prior to the enrichment phase, said atomic hydrogen being of a sufficient amount to suppress interface resistance to the transfer of carbon and to avoid surface oxidation of said steel.

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