

Title (en)

METHOD FOR REDUCING CO₂, EMISSIONS IN THE OPERATION OF A METALLURGICAL PLANT

Title (de)

VERFAHREN ZUR REDUZIERUNG VON CO₂-EMISSIONEN BEIM BETRIEB EINES HUTTENWERKS

Title (fr)

PROCÉDÉ POUR RÉDUIRE LES ÉMISSIONS DE CO₂, LORS DU FONCTIONNEMENT D'UNE USINE SIDÉRURGIQUE

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Application

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Priority

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Abstract (en)

[origin: CA2930342A1] The invention relates to a method for reducing CO₂ emissions in the operation of a metallurgical plant which comprises at least one blast furnace for producing pig iron and a converter steel works for producing crude steel. According to the invention, at least a partial amount of the blast-furnace top gas that occurs in the blast furnace in the production of pig iron and/or a partial amount of the converter gas that occurs in the production of crude steel is taken for producing syngas that is used for producing chemical products. At the same time, the energy demand of the metallurgical plant is at least partly covered by using electrical power that is obtained from renewable energy.

IPC 8 full level

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