

Title (en)

METHOD AND DEVICE FOR FEEDING A GAS TO A METALLURGICAL VESSEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KONTROLLIERTEN EINDÜSEN EINES GASES IN EIN METALLURGISCHES GEFÄß

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'INTRODUIRE UN GAZ DANS UN RECIPIENT METALLURGIQUE

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Application

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Abstract (en)

[origin: US6802887B1] A method is for feeding a gas into a metallurgical vessel having a condensable and/or evaporable component entrained by the gas. The gas is fed to the metallurgical vessel via one or more gas supply means. According to the method, if there are a number of the gas supply means, in a first section, the gas velocity is continuously increased, in a turbulence zone, the gas is intimately mixed with the condensable and/or evaporable component, in an exit section, the gas velocity is kept substantially constant, and the gas which has been intimately mixed with the entrained component is blown into the metallurgical vessel. A gas supply device for carrying out the method is also disclosed. The method and apparatus according to the invention make it possible to prevent or reduce nozzle damage.

IPC 8 full level

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