

Title (en)

METHOD OF PRODUCING A GAS-ANNEALING ATMOSPHERE IN A HEAT-TREATING DEVICE

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Application

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Abstract (en)

[origin: EP0364709A1] The invention relates to a method of producing a gas-annealing atmosphere in a heat-treating device by thermal decomposition of the starting materials introduced into the treatment chamber of the heat-treating device. An inexpensive, flexible and simply-constructed method is achieved by the simultaneous introduction, performed adjacent to one another, of hydrocarbon gas, alcohol, air and nitrogen into the treatment chamber of the heat-treating device, the starting materials being introduced in a stoichiometric ratio to one another in such a way that the total S of the mass ratios of the mass of the starting materials mn to the mass of the starting material air mL, i.e. <IMAGE> gives a value in the range from 0.2 to 4, preferably 0.5 to 2.0. <IMAGE>

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