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5 **Brief Description of the Drawings**

 A preferred embodiment of the invention will be described below, reference being made to the accompanying drawings, where:

10 Figure 1 shows a flow diagram of a preferred process according to the present invention, said diagram also schematically showing units that form an equipment to carry out the process;

 Figure 2 shows a flow diagram of a preferred gas purifying process according to the present invention, said diagram also schematically showing units that form an equipment to carry out the purifying process; and

15 Figure 3 shows a flow diagram of an alternative embodiment of the present invention where radiating burners with internal heat exchanging and possibly catalytic reactors is used to indirectly heat the reduction step.

Detailed Description of a Preferred Embodiment of the Invention

25 In figure 1 a number of units that form the equipment to carry out the process are schematically shown. The conduits, pipes etc. that connect the units of the equipment are not described or shown in detail. The conduits, pipes etc. are of suitable design to carry out their function, i.e. to transport
30 gases and solids between the units of the equipment.

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