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(54) **Title:** HEAT EXCHANGER HAVING ENHANCED CORROSION RESISTANCE

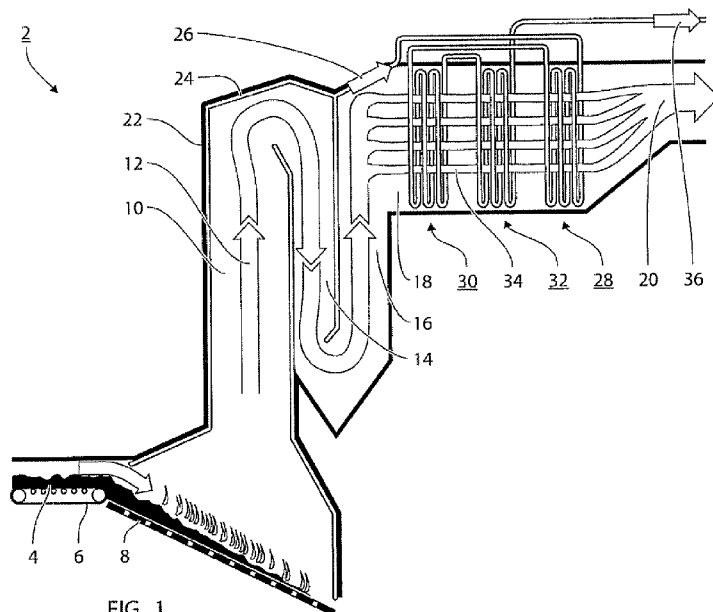


FIG. 1

(57) **Abstract:** The present invention provides a heat exchanger (32) for heating a fluid (26) in an incineration plant (2), the incineration plant (2) in operation producing a flue gas (34), the heat exchanger comprising at least one heat exchanger component (40) comprising a wall having a first side (46) in contact with the fluid (26), and a second side (48) in contact with the flue gas (34), the second side (48) being provided with a protective oxide (50) for protecting the heat exchanger component (40) against corrosion caused by corrosive compounds entrained or comprised by the flue gas (34), wherein the protective oxide (50) comprises α -Al₂O₃. A method of forming a scale (50) for protecting a heat exchanger component (40) against corrosion caused by corrosive compounds entrained or comprised by a flue gas (34) is also provided.