

ABSTRACT

The present invention relates to an apparatus for the production of cement that can make harmful materials contained in wastes harmless, and also produce cement using the wastes as a raw material. The apparatus is provided with a waste drying pre-treatment unit A for removing iron pieces and moisture, a raw material grinding unit B for grinding the wastes and a component modifier, a raw material preparing and blending unit C for mixing the raw material containing the wastes and a component modifier, a clinker burning and cooling unit D for burning the raw material of which component is adjusted, to form a cement clinker, a product grinding unit E that mixes and grinds the clinker and gypsum, and optionally adding a setting modifier to produce cement, an exhaust gas treatment unit F for quenching the exhaust gas generated from the clinker burning and cooling unit, whereby suppressing re-synthesis of dioxins as well as making the exhaust gas harmless, and a dioxin decomposition unit G for decomposing under heating dioxins in the dust generated from the burning and cooling unit.



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