

Title (en)
Slagging combustion furnace

Title (de)
Verschlackungsöfen

Title (fr)
Four de scorification

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Application
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Abstract (en)

The present invention relates to a slagging combustion furnace in a gasification and slagging combustion system in which wastes are gasified to produce combustible gas in a gasification furnace, and the produced combustible gas is combusted together with unburned carbon to generate molten slag in a slagging combustion furnace. The slagging combustion furnace (3) comprises a gas inlet port (20) formed in an upper portion of the side wall for introducing combustible gas (b) to produce a swirling flow of the combustible gas (b), and a plurality of gas supply nozzles (24, 25), which are open at an inner surface of the side wall and an inner surface of the top wall, for supplying gas (f) for combustion. The gas (f) for combustion is blown from the gas supply nozzles (24, 25) into the swirling flow of the combustible gas (b).

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