

Title (en)
TWISTED GAS PRODUCING BURNER FOR COAL GASIFICATION REACTORS

Publication
EP 0011904 B1 19820127 (DE)

Application
EP 79200696 A 19791129

Priority
DE 2851704 A 19781130

Abstract (en)
[origin: EP0011904A1] 1. Spinning burner for coal gasification reactors, in which a producer gas containing carbon monoxide and hydrogen is produced by partial oxidation of solid materials containing carbon in the presence of water or steam and of oxygen or air, consisting of a plurality of pipes (20, 21) arranged concentrically to one another for the separate supply of the solid particles and of the gasification medium, with guiding elements built into the conduit (21) for the oxygen or air for production of the spin of the materials emerging from the burner (6) and reacting with one another, characterised in that movable guide elements (34, 40, 61, 77) are present in the nature of a helix, shaped as a spiral spring and supported at least one one side, which have an adjustable angle of inclination of 20-70 degrees with respect to the longitudinal direction of the supply.

IPC 1-7
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IPC 8 full level
C10J 3/46 (2006.01); **C10J 3/48** (2006.01); **C10J 3/50** (2006.01); **F23D 1/02** (2006.01); **F23D 11/16** (2006.01); **F23D 17/00** (2006.01)

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