Title (en)

REACTOR WITH GAS SEAL USING GAS CONDUCTING BODIES

Title (de)

REAKTOR MIT GASABSCHLUSS MITTELS GASLEITKÖRPERN

Title (fr)

REACTEUR AVEC ARRET DE GAZ FAISANT INTERVENIR DES CANALISATIONS DE GAZ

Publication

EP 1390680 A1 20040225 (DE)

Application

EP 02742886 A 20020411

Priority

- DE 10123241 A 20010512
- EP 0204036 W 20020411

Abstract (en)

[origin: US2004214124A1] A gas seal protects the material inlet openings and material outlet openings of reactors for treating strands of material and strips of material. The openings are sealed by gas curtains. These curtains are generated by gas streams that leave gas outlet openings or nozzles and that are directed at an angle into the interior of the furnace. According to the invention, gas guide bodies, which extend adjacent the strands of material or strips of material substantially parallel to the surfaces of these strands of material and strips of material in the direction of the interior of the reactor, are mounted at the gas outlet openings. The gases leaving the gas outlet openings are guided in the gas guide spaces that are formed between the gas guide bodies and the strands or strips of material, in a targeted manner and under a slightly raised pressure in the direction of the interior of the reactor and thereby effect a significantly improved gas seal.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

D01F 9/32 (2013.01 - EP US); **F27B 9/28** (2013.01 - EP US); F27B 9/10 (2013.01 - EP US); F27B 9/145 (2013.01 - EP US); F27D 99/0075 (2013.01 - EP US)

Citation (search report)

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