

Title (en)
UNIT FOR SUPPLYING A COKE-DEPOSIT INHIBITOR SOLUTION IN TUBE FURNACES USED FOR THE PYROLYSIS OF RAW HYDROCARBONS

Title (de)
EINHEIT ZUR ABGABE VON LÖSUNGEN VON KOKSABLAGERUNGEN IN ROHRÖFEN, VERWENDUNG BEI PYROLYSE VON ROH-KOHLLENWASSERSTOFFEN

Title (fr)
UNITE PERMETTANT D'INTRODUIRE UNE SOLUTION D'INHIBITEUR DE DEPOTS DE COKE DANS DES FOURS A TUBE SERVANT A LA PYROLYSE D'HYDROCARBURES BRUTS

Publication
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Application
EP 98929942 A 19980518

Priority
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• RU 97117379 A 19971008

Abstract (en)
[origin: EP1036837A1] A unit for injecting a coke-deposition inhibitor solution into tubular furnaces for hydrocarbon pyrolysis including a straight run (1) of a coil with pipe (4) for supplying a feedstock, an inhibitor atomizer, a tube (6) for supplying an inhibitor to atomizer and surrounding it an additional tube (7) are positioned coaxially. Elimination of coil burns-outs in the zone of inhibitor solution injection is reached that that injection unit is provided with a vortex gate concentrically located within a straight run (1) of a coil in the zone of inhibitor solution injection. Preferred vortex gate consists of radial plates (9), which attached symmetrically to the additional tube (7), and of cylindrical rings (10, 11, 12, 13), which attached to the radial plates (9) coaxially with the additional tube (7) and formed inner passage, which expand stepwise on the direction of flow of feedstock.
<IMAGE>

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C10G 9/16; B01J 19/00

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