

Title (en)  
Pyrolysis furnace for the thermal cracking of hydrocarbons

Title (de)  
Pyrolyseofen zum thermischen Spalten von Kohlenwasserstoffen

Title (fr)  
Four de pyrolyse pour le craquage thermique d'hydrocarbures

Publication  
**EP 1146105 B1 20030709 (DE)**

Application  
**EP 01108733 A 20010406**

Priority  
DE 10018201 A 20000412

Abstract (en)  
[origin: EP1146105A2] Pyrolysis oven has a connection produced using a tube manifold via a first S-shaped bend (3) from the plane with the straight tubular pieces (6) and the tubular collective pieces (2). The connection cuts the plane with a semicircular or a flat semi-elliptical or a half oval bend and leads again into the plane via a second S-shaped bend (5). Preferred Features: Cracking tubes of a cracking tube group are arranged with their straight tubular pieces in one plane before the inversion of direction and are arranged with their straight tubular pieces in the same plane parallel next to each other after the inversion of direction. The S-shaped semicircular, flat semi-elliptical or half oval bends are geometrically the same.

IPC 1-7  
**C10G 9/20**

IPC 8 full level  
**C10G 9/20** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)  
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Cited by  
CN103773421A; CN102911706A; US8916030B2; US11542440B2; CN103773422A; CN103965948A; EP3745071A1; FR3096766A1; US9205400B2; US9604193B2

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