

Title (en)
RADIANT TUBE IN CRACKING FURNACES

Title (de)
STRAHLROHR IN CRACKÖFEN

Title (fr)
TUBE RADIANT POUR FOURS DE CRAQUAGE

Publication
EP 1627093 A1 20060222 (EN)

Application
EP 04733228 A 20040514

Priority
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Abstract (en)
[origin: WO2004104257A1] Radiant tube in a cracking furnace is disclosed. Hydrocarbons are cracked into ethylene in the tube through which hydrocarbons flow, which tube is heated from the outside to a temperature where cracking occurs. The tube is made from a FeCrAl material containing, in addition to Fe, 10 to 25% by weight of Cr, 1 to 10% by weight of Al and 1.5 to 5% by weight of Mo. Optionally, the material comprises up to a total of 2.2 wt.%, preferably up to 2.0 wt.% and more preferably up to 1.0 wt.%, of one or more alloying materials selected from the group consisting of tantalum, hafnium, zirconium, yttrium, nitrogen, carbon and oxygen.

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