

Title (en)  
NOVEL COKE WITH ADDITIVES

Title (de)  
NEUARTIGER KOKS MIT ADDITIVEN

Title (fr)  
COKE INNOVANT COMPRENANT DES ADDITIFS

Publication  
**EP 3408355 A1 20181205 (DE)**

Application  
**EP 17705034 A 20170130**

Priority  
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Abstract (en)  
[origin: CA3012407A1] The invention relates to coke comprising additives, characterised in that additives are accumulated at the yield points or in the regions surrounded by the yield points. For homogeneous distribution, the additives are continuously dosed into the delayed coker during the filling time. The dosing can be carried out by powdery blowing with an inert gas (nitrogen) or also distributed in a slurry consisting of the reaction components and a partial flow of the coker feed (vacuum resid, pytar, decant oil or coal-tar distillates). According to an advantageous form of embodiment, the additives have a diameter of between 0.05 mm and 5 mm, preferably between 1 mm and 3 mm. Advantageously, the additives are selected from the group consisting of acetylene coke, fluid coke, flexi coke, shot coke, carbon black, non-graphitisable carbons (chars), non-graphitic anthracite, silicon carbide, titanium carbide, titanium diboride or mixtures thereof. The coefficient of thermal expansion (CTE) is increased tenfold by the addition of the additives, depending on the size and quantity of the additives.

IPC 8 full level  
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