

Title (en)  
METHOD FOR PURIFYING SYNTHESIS GASES

Title (de)  
VERFAHREN ZUR REINIGUNG VON SYNTHESGASEN

Title (fr)  
PROCÉDÉ DE PURIFICATION DE GAZ DE SYNTHÈSE

Publication  
**EP 2997113 A1 20160323 (DE)**

Application  
**EP 14728437 A 20140507**

Priority  
• DE 102013008422 A 20130516  
• EP 2014001223 W 20140507

Abstract (en)  
[origin: CA2912272A1] The method serves for purifying dust-bearing synthesis gases (1) formed in reactors or shaft furnaces (2) by carbothermal and/or electrothermal processes, freed from dusty solids (4) by physical separation techniques (3) at elevated temperatures after leaving the reactor or shaft furnace, and cooled using downstream heat exchanger (5). To attain long filter life while effectively purifying the synthesis gas, the proposal is to lead the dust-bearing synthesis gas (1) over a dwell-time section (6) after it has left the reactor (2) and before it has been freed from dusty solids, in the presence of steam, with the difference between the final synthesis gas temperature (T3) after freeing from the dusty solids and cooling and the maximum gas temperature in the dwell-time section (T2) being set at not less than 400 K.

IPC 8 full level  
**C10J 3/02** (2006.01); **C10K 1/02** (2006.01); **C10K 3/00** (2006.01)

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Citation (search report)  
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