

Title (en)
Method and plant for production and combustion of a combustible product

Title (de)
Verfahren und Vorrichtung für die Herstellung und Verbrennung eines brennbaren Mischprodukts

Title (fr)
Méthode et dispositif pour la manufacture et la combustion d'un produit composé combustible

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Application
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Priority
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Abstract (en)
In a method for the production and combustion of a combustible composite product being converted from a combustible organic material in a plant comprising an infeed zone (I), a reaction zone (II) and a combustion zone (III), said plant being capable e.g. of being connected to a conventional boiler plant, the main novel features are a) that the combustible organic material is advanced continuously through the infeed zone (I) and fed into the reaction zone (II), in which, in a reaction chamber (4) adapted for the purpose, it is converted while using a gaseous reaction medium being supplied via through openings (8) in a controlled condition with regard to quantity, speed and temperature, so as to cause the formation of a combustible composite product comprising gas, especially pyrolysis gas, tar and powder-like charcoal and having an internal temperature above the ignition temperature, but without molten slag being formed, and b) that the combustible composite product formed is made to enter the combustion zone (III), in which the air for combustion is preferably supplied in a manner to prevent or minimize the formation of nitrogen oxides, in order to avoid high combustion temperatures. <IMAGE>

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• [A] EP 0312818 A2 19890426 - KUPAT AG [CH]
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