

Title (en)
DEVICE FOR CONTINUOUSLY OPERATING PYROLYSIS REACTOR

Title (de)
VORRICHTUNG ZUM FORTLAUFENDEN BETRIEB EINES PYROLYSEREAKTORS

Title (fr)
RÉACTEUR DE PYROLYSE FONCTIONNANT EN CONTINU

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Application
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Abstract (en)
[origin: WO2010147537A1] The present invention relates to a device for excluding and preventing oxygen or any gas mixture containing oxygen gas, such as air, into the interior or the reactor in a pyrolysis reactor which is intended for continuous operation, which reactor comprises a feed-in device (1, 2, 3, 4, 5, 6, 7, 8), a pyrolysis reactor (9) with a feed or conveyor belt (11) and means (21, 17, 19) for handling products of segregation, gas, slag, oil condensate and residual products produced by the pyrolysis. The device has a scrubber or a liquid lock connected to the reactor for the gas released during pyrolysis, which scrubber or liquid lock is linked to the means (21) immediately after the reactor but before at least one gas evacuation pump which is arranged to generate a gas pressure in the pyrolysis reactor (9) which corresponds to an atmospheric pressure surrounding the pyrolysis reactor (9).

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