

Title (en)

System comprising a ventilation system for biomass pellets storage for reduction of carbon monoxide concentrations

Title (de)

System mit einem Belüftungssystem für Biomasse-Pelletlager zur Reduzierung von Kohlenmonoxid-Konzentrationen

Title (fr)

Système avec un système de ventilation pour stockage de granulé de biomasse pour la réduction des concentrations de monoxyde de carbone

Publication

EP 2801540 B1 20170830 (EN)

Application

EP 13166613 A 20130506

Priority

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Abstract (en)

[origin: EP2801540A1] Ventilation system (1) for a biomass pellets storage facility (2), comprising a leak tight pellets feed-in unit (3) between the pellets storage facility (2), a pellets combustion unit (5), and a venting unit (6) connecting the pellets storage facility (2) to the pellets combustion system (5). Within the venting unit (6) ventilation supply air (13) of the pellets storage facility (2) is sucked as combustion supply air (7) into the pellets combustion unit (5). As a result, the air pressure in the venting unit (6) is lower than an air pressure in the pellets storage facility (2), which itself is lower than an atmospheric pressure of the ambient air (10) around the pellets storage facility (2). Carbon monoxide gas (CO) emitted by the pellets inside the pellets storage facility (2) is thereby drawn with the combustion supply air (7) into the pellets combustion system (5). Dangerous carbon monoxide concentrations inside the pellets storage facility (7) are thereby prevented.

IPC 8 full level

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CPC (source: EP US)

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