

Title (en)  
A METHOD OF SCAVENGING ALKALI FROM FLUE GAS

Title (de)  
VERFAHREN ZUR ALKALIENTFERNUNG AUS RAUCHGAS

Title (fr)  
PROCÉDÉ DE PIÉGEAGE D'ALCALI À PARTIR DE GAZ DE FUMÉE

Publication  
**EP 4146373 A1 20230315 (EN)**

Application  
**EP 21732997 A 20210504**

Priority  
• NL 2025539 A 20200508  
• NL 2021050289 W 20210504

Abstract (en)  
[origin: WO2021225436A1] A method of scavenging alkali from flue gas comprises the steps of - introducing oxygen-comprising gas and a solid fuel comprising biomass into a combustion chamber to incinerate said solid fuel resulting in a flue gas comprising alkali, and - introducing an additive material comprising i) clay and ii) a calcium compound into the flue gas. To reduce the operational costs, the additive is added as a powder which comprises both meta-kaolin as the clay and calcium oxide as the calcium compound. An additive powder particle is an aggregate of micro-particles and a micro-particle of the additive powder particle is a micro-aggregate comprising both the meta-kaolin and the calcium oxide.

IPC 8 full level  
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Citation (search report)  
See references of WO 2021225436A1

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