

Title (en)  
Water bath wetting device.

Title (de)  
Wasserbadbenetzungsvorrichtung.

Title (fr)  
Dispositif de mouillage à bain d'eau.

Publication  
**EP 0318071 A1 19890531 (EN)**

Application  
**EP 88202343 A 19881019**

Priority  
US 11190287 A 19871023

Abstract (en)  
A method and apparatus for wetting char and slag in a water bath below a coal gasification reactor operated under various conditions, such as different coal types. The said apparatus, which employs a conduit supplied with water and a wetting agent, is provided with replaceable threaded nozzles for wetting the slag to facilitate removal of various slags having particular wetting characteristics.

IPC 1-7  
**C10J 3/48**; **C10J 3/52**

IPC 8 full level  
**C10J 3/72** (2006.01); **C10J 3/08** (2006.01); **C10J 3/48** (2006.01); **C10J 3/52** (2006.01)

CPC (source: EP)  
**C10J 3/485** (2013.01); **C10J 3/526** (2013.01); **C10J 3/845** (2013.01); **C10K 1/101** (2013.01)

Citation (search report)  
• [A] EP 0077852 A2 19830504 - SULZER AG [CH]  
• [A] GB 2014284 A 19790822 - BRITISH GAS CORP

Cited by  
DE4230124A1; DE102004041268B4; US8382902B2; AU2004293595B2; US8012436B2; US8444061B2; DE102008012732A1; WO2005052095A1; US8317885B2; US8490635B2; US9261307B2; US8579212B2; US8899499B2

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