

Title (en)  
SPRAY HEAD STRUCTURE

Title (de)  
SPRÜHKOPFSTRUKTUR

Title (fr)  
STRUCTURE DE TÊTE DE PULVÉRISATION

Publication  
**EP 3636347 A4 20210512 (DE)**

Application  
**EP 18880085 A 20180814**

Priority  
• TW 107205502 U 20180427  
• CN 2018100475 W 20180814

Abstract (en)  
[origin: WO2020034099A1] Provided is a spray head structure (1), comprising an airflow pipe (10), a rotary member (30), a load member (70), a fan component (100), a spoiler pipe (41) and a liquid flow pipe (50), wherein the rotary member (30) is rotatably sleeved on the airflow pipe (10), the load member (70) is mounted at the rotary member (30) to increase the load so as to improve the torsion of the rotary member, the fan component (100) is mounted at the rotary member (30), the spoiler pipe (41) is fixedly arranged on the rotary member (30) and is provided with a spoiler channel (41) in communication with the airflow pipe (10), and the spoiler channel (41) is provided with an outlet end (411), and an injection path forming an acute angle  $\theta$  with the axis of the airflow pipe (10). Gas at a high flow rate enables the spoiler pipe to drive the rotary member to rotate relative to the airflow pipe, such that the fan component is driven to rotate to form an airflow, so that the air flow can flow from the fan component to the outlet end to improve the atomization effect thereof, or can flow from the outlet end to the fan component to perform the suction of impurities.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [X] DE 202013101261 U1 20130508 - WANG WEN YUAN [TW]  
• [A] DE 202016104926 U1 20161205 - BENDEL WERKZEUGE GMBH & CO KG [DE]  
• [A] EP 2695676 A1 20140212 - STRONG FORTRESS TOOL CO LTD [TW]  
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• [A] DE 202009013337 U1 20100318 - E CHA E INTERNAT CORP [TW]  
• See references of WO 2020034099A1

Designated contracting state (EPC)  
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