

Title (en)  
Dispersing device

Title (de)  
Ausgabevorrichtung

Title (fr)  
Dispositif de dispersion

Publication  
**EP 2609998 A1 20130703 (EN)**

Application  
**EP 12194953 A 20121130**

Priority  
JP 2011283055 A 20111226

Abstract (en)  
A dispersing device for dispersing fluidity material mixed with powder material therein includes first and second annular dispersing members (150; 350, 160; 360) which are arranged coaxially to be rotatably relatively and on each of which a plurality of protruding teeth (152-153, 161-162; 352-353, 361-362) protruding in a direction orthogonal to a flow direction of the fluidity material are formed in a circumferential direction thereof. The protruding teeth (152-153; 352-353) on the first annular dispersing member (150; 350) are opposite in protruding direction to the protruding teeth (161-162; 361-362) on the second annular dispersing member (160; 360) and face the protruding teeth (161-162; 361-362) on the second annular dispersing member (160; 360). The circumferential end surfaces of all of the protruding teeth (152-153, 161-162; 352-353, 361-362) are formed to be slanted in the full length thereof in the protruding direction so that the width of a gap between each protruding tooth and the protruding tooth adjacent in the circumferential direction becomes wider from the tooth base side toward the tooth tip side.

IPC 8 full level  
**B01F 27/73** (2022.01); **H01M 4/04** (2006.01); **H01M 4/139** (2010.01)

CPC (source: EP)  
**B01F 23/53** (2022.01); **B01F 27/2711** (2022.01); **B01F 27/2721** (2022.01)

Citation (applicant)  
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Designated contracting state (EPC)  
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**EP 2609998 A1 20130703**; CN 103170266 A 20130626; JP 2013132574 A 20130708; JP 5832279 B2 20151216

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