

Title (en)  
NOZZLE AND FILTER ARRANGEMENT AND SYSTEM FOR APPLYING A FLUID CONTAINING SOLID PARTICLES TO A SUBSTRATE

Title (de)  
DÜSEN- UND FILTERANORDNUNG SOWIE SYSTEM ZUM AUFTRAGEN VON FLUID MIT FESTEN PARTIKELN AUF EIN SUBSTRAT

Title (fr)  
DISPOSITIF A BUSE ET A FILTRE ET SYSTEME POUR APPLIQUER SUR UN SUBSTRAT UN FLUIDE COMPRENANT DES PARTICULES SOLIDES

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Application  
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Abstract (en)  
[origin: WO2005016554A1] The invention relates to a system for applying a fluid (118) containing solid particles. Said system comprises a nozzle arrangement (110) and a transport device (150). The angle formed between the transport direction (130) of the transport device (150) and an outflow channel (124) of the nozzle arrangement (110, 210, 310, 410) is obtuse. The invention also relates to the nozzle arrangement (110) and a filter arrangement (570) for one such system. Said nozzle arrangement (110) comprises an endpiece receiving element (112) and an endpiece (114) which is fixed thereto. A fluid channel is formed in the nozzle arrangement (110), said fluid channel comprising a connection channel (120), an adjacent distribution channel (122), and an adjacent outflow channel (124). The connection channel (120) and the distribution channel (122) are formed in the endpiece receiving element (112) and all directional changes inside the fluid channel are smaller than 90 DEG . The filter arrangement (570) comprises a fluid supply line (574), a fluid discharge line (576), a flow channel (587), and a planiform filter element (580, 581, 582), the cross-sectional surfaces of said filter element being essentially the same size.

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