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Dellea et al.

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(54) **METHOD FOR DEPOSITING A PARTICLE FILM ONTO A SUBSTRATE VIA A LIQUID CONVEYOR, INCLUDING A STEP OF STRUCTURING THE FILM ON THE SUBSTRATE**

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CPC ***B05D 1/36*** (2013.01); ***B05D 1/20*** (2013.01); *B05D 2252/02* (2013.01); *B05D 2401/32* (2013.01); *B82Y 30/00* (2013.01)

(58) **Field of Classification Search**
CPC B05D 1/36; B05D 1/20
See application file for complete search history.

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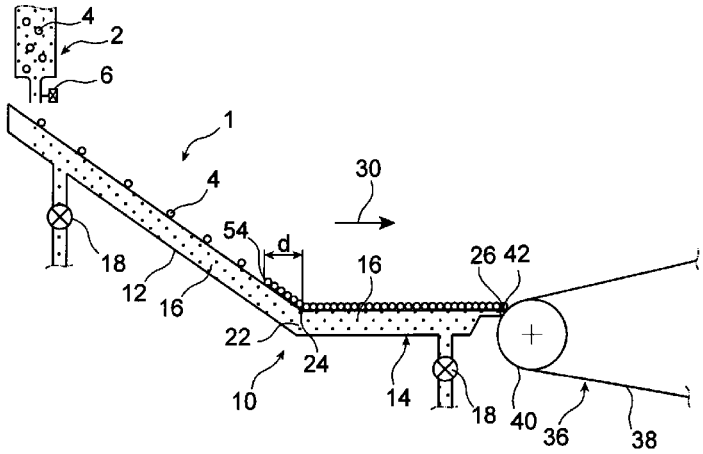
(57) **ABSTRACT**

A method for depositing particles onto a substrate, or a running substrate, including: (a) making a compact film of particles floating on a carrier liquid provided in a transfer area having an outlet of particles laid out facing the substrate; (b) depositing a substance on the compact film of particles, in the transfer area; (c) transferring, through the outlet of particles and onto the substrate, the compact film of particles coated with the substance; and then (d) removing the substance to carry away with the substance the particles of the film which adhere to the substance, to generate at least one recessed area within the film deposited on the substrate.

9 Claims, 4 Drawing Sheets