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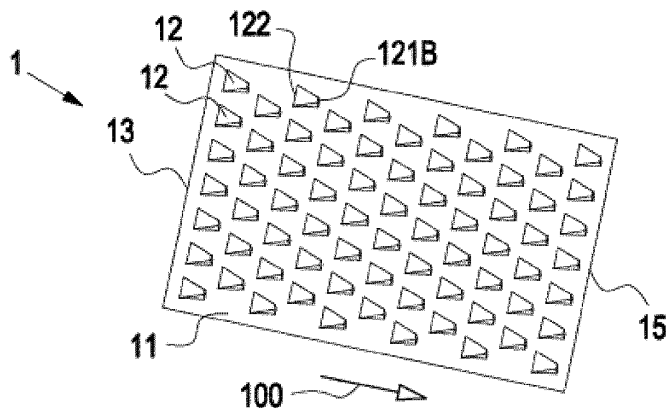


Fig. 1A

(57) Abstract: Flow control tray for an algae cultivation fluid comprising a ground layer extending in a ground plane from a first end to a second end and a plurality of elevations extending from the ground layer in a first direction, wherein the ground layer is adapted to guide a flow of an algae cultivation liquid above the ground plane from the first end to the second end to form a general flow direction in parallel to the ground layer, wherein each of the plurality of elevations comprises a support distanced in a direction orthogonally to the ground plane and adapted to support an algae cultivation membrane, and wherein each of the plurality of elevations has a three-dimensional shape preferably adapted to divert the cultivation fluid from the general flow direction.

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