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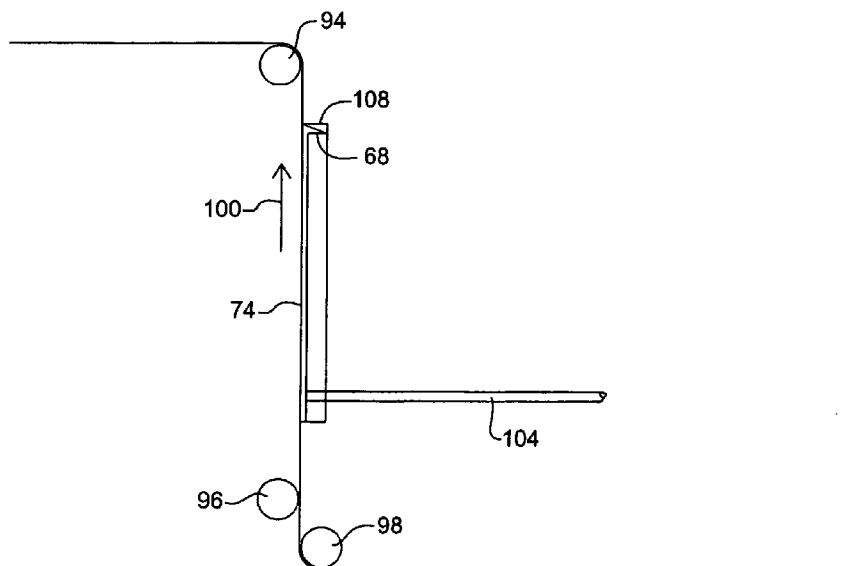
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(54) Title: LIGHT EMITTING APPARATUS AND METHOD FOR CURING INKS, COATINGS AND ADHESIVES



(57) Abstract: A UV curing apparatus and method is provided for enhancing the distribution and application of UV light to photoinitiators in a UV curable ink, coating or adhesive, and comprises UV LED assemblies mounted on a panel (68) in a first row with the UV LED assemblies spaced from adjacent UV LED assemblies. At least one second row of a plurality of UV LED assemblies next to the first row, but with assemblies positioned adjacent the spaces between adjacent UV LED assemblies in the first row thereby to stagger the second row assemblies from those of the first row. UV curable products that are in or on a web (74) can be conveyed (100) past the UV LED assemblies for effective UV curing using rollers (94, 96, 98), wiper blade (108), mechanisms for causing the panel to move, and an injection tube (104) for injecting gas in the UV curing area.

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