

DEFENSIVE PUBLICATION

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873 O.G. 687

T873,010

HOT MELT APPLICATOR AND SEAM COOLING

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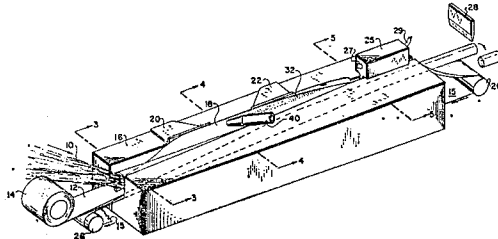
Kingsport, Tenn. 37662

Filed Mar. 6, 1969, Ser. No. 804,879

Int. Cl. B31b 1/62; B31c 5/00; B65b 13/32

U.S. Cl. 93—1

2 Sheets Drawing. 12 Pages Specification



An applicator for providing a strip of hot melt adhesive (32) along a continuously advancing substrate (12) to form a seam. Apparatus is provided having a nozzle (40) which includes an orifice (44) and an edge portion adapted to deposit a bead of hot melt and immediately spread the bead along a tautly supported marginal portion of the continuously advancing (15) substrate. The nozzle has a predetermined angular relation with respect to the substrate to which the strip of hot melt is applied. Marginal portions (18) of the substrate are subsequently brought into overlapping position to form a seam. External cooling means (25) may also be used for quickly solidifying the hot melt.

April 21, 1970

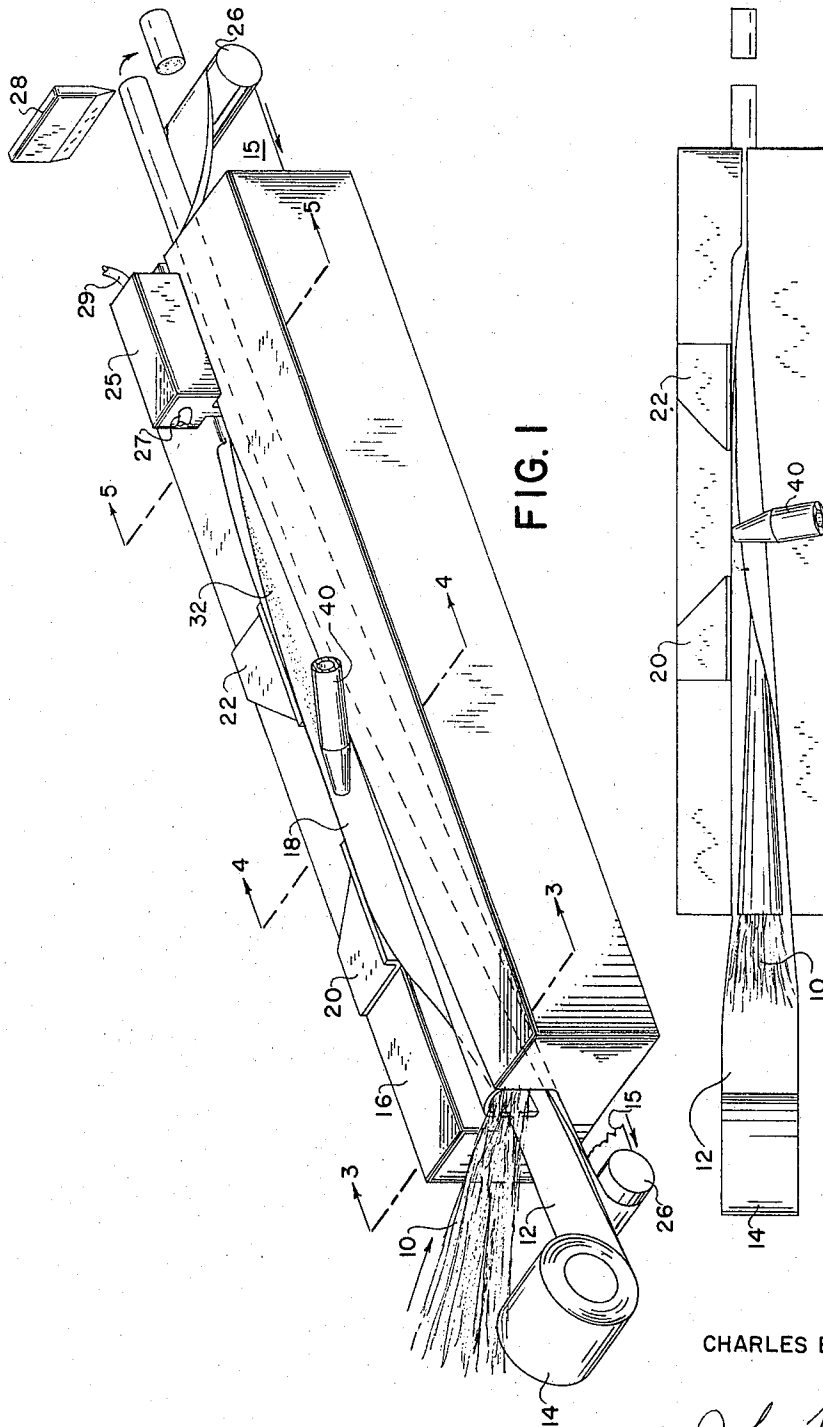
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HOT MELT APPLICATOR AND SEAM COOLING

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2 Sheets-Sheet 1



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HOT MELT APPLICATOR AND SEAM COOLING

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2 Sheets-Sheet 2

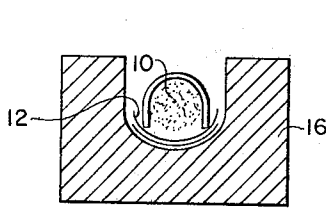


FIG. 3

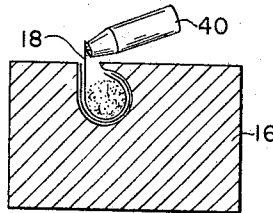


FIG. 4

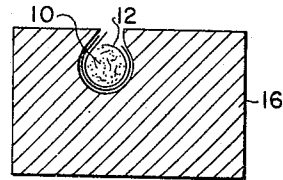


FIG. 5

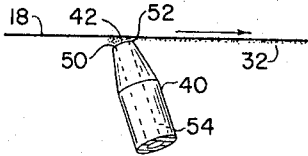


FIG. 7

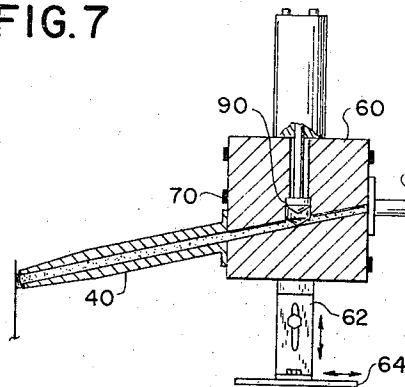


FIG. 6

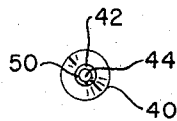


FIG. 8

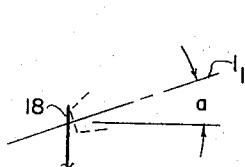


FIG. 9

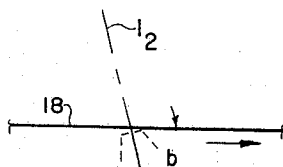


FIG. 10

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