

(54) **SHINGLE WITH REINFORCED NAIL ZONE AND METHOD OF MANUFACTURING**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(52) **U.S. Cl.** ..... **52/557; 52/527**

(58) **Field of Classification Search** ..... **52/314, 52/315, 554, 555, 557, 559**  
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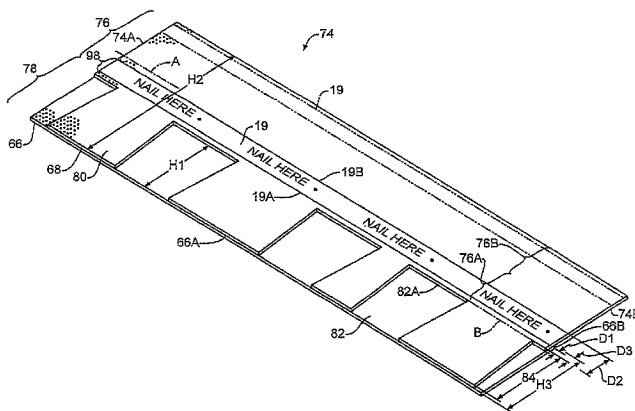
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**ABSTRACT**

(57) A roofing shingle includes an asphalt-coated sheet having a tab portion normally exposed on a roof and a headlap portion normally covered-up on a roof. The headlap portion has a lower zone that extends longitudinally between a first end and a second end of the roofing shingle adjacent the tab portion, and an upper zone adjacent the lower zone. At least a portion of the asphalt-coated sheet has granules adhered thereto. A reinforcement member is adhered to the lower zone of the headlap portion.

**43 Claims, 3 Drawing Sheets**



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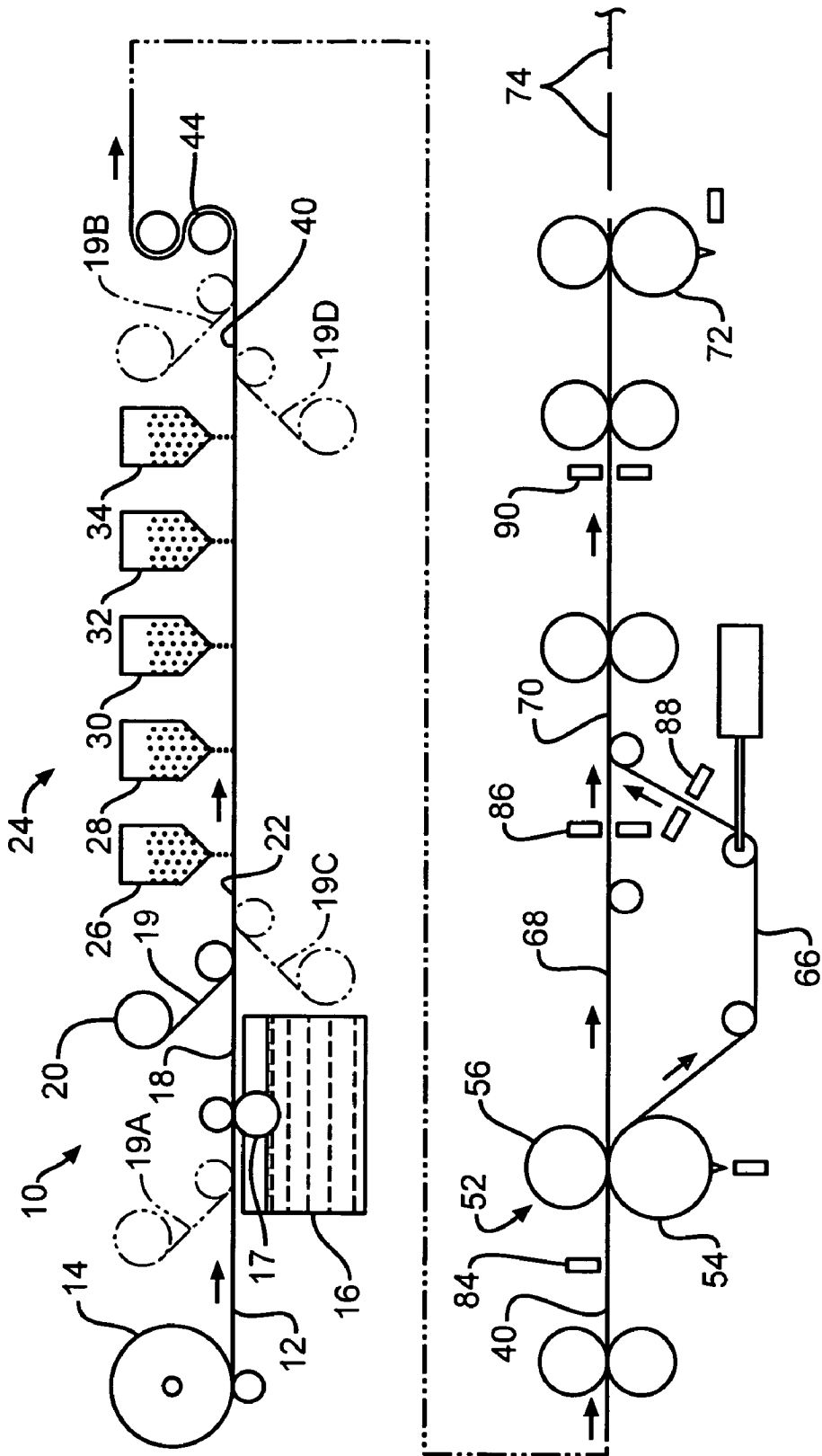


FIG. 1

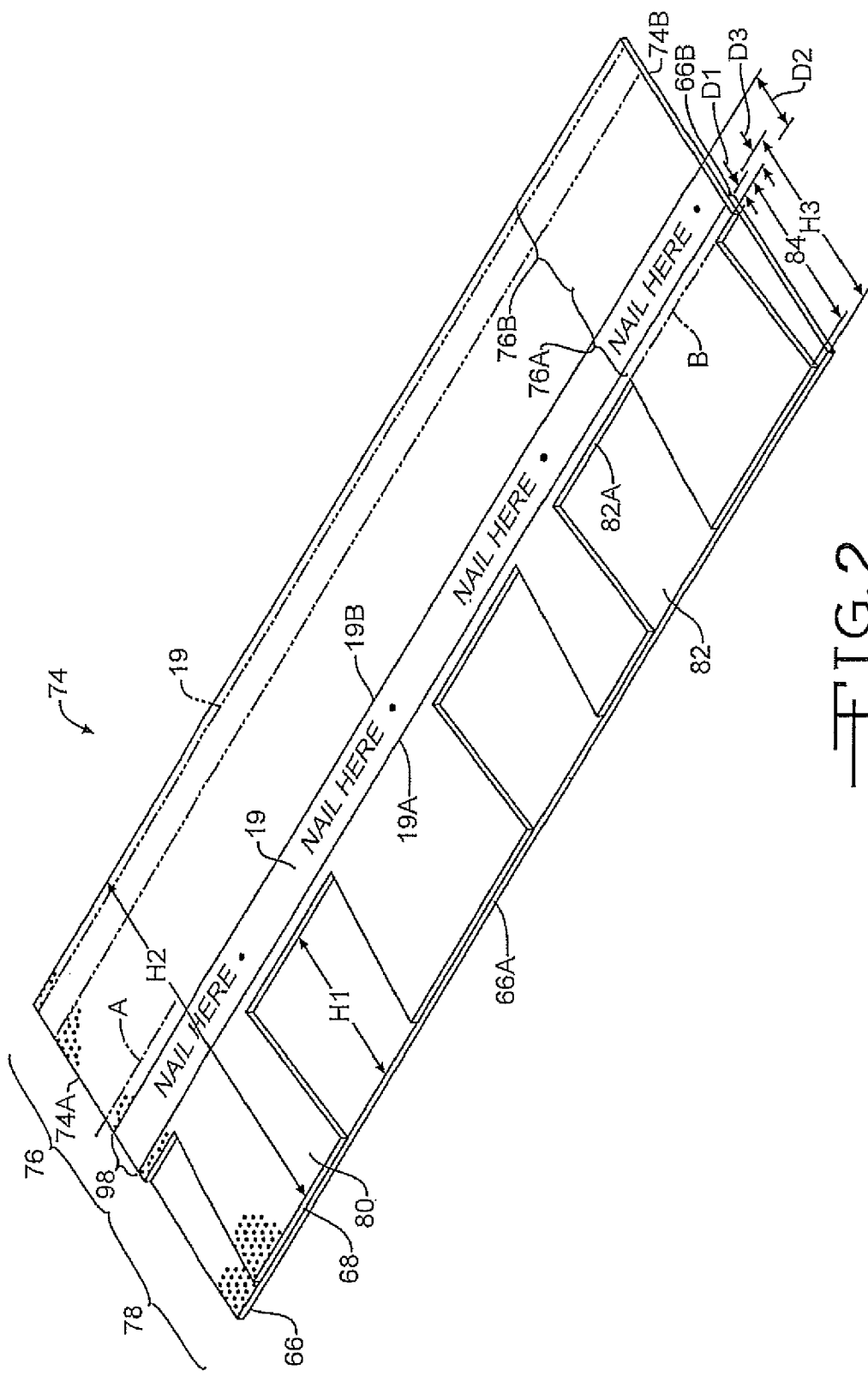


FIG. 2

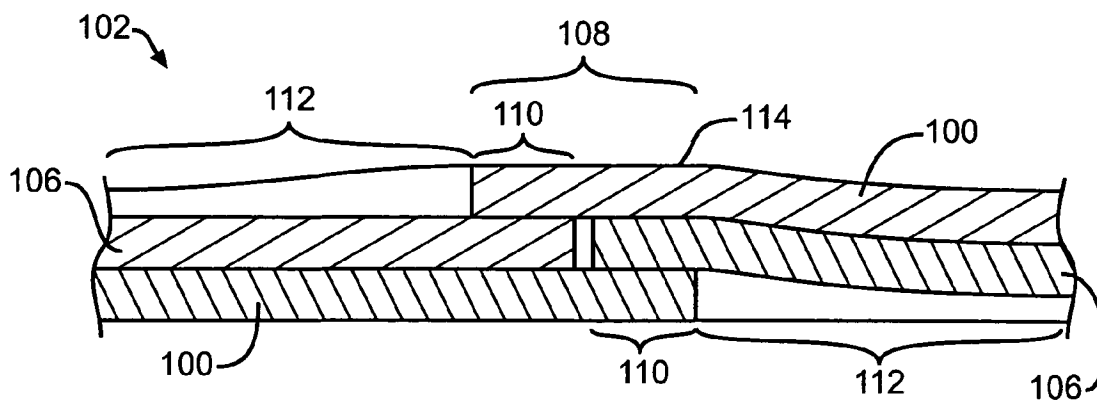


FIG. 3  
(PRIOR ART)

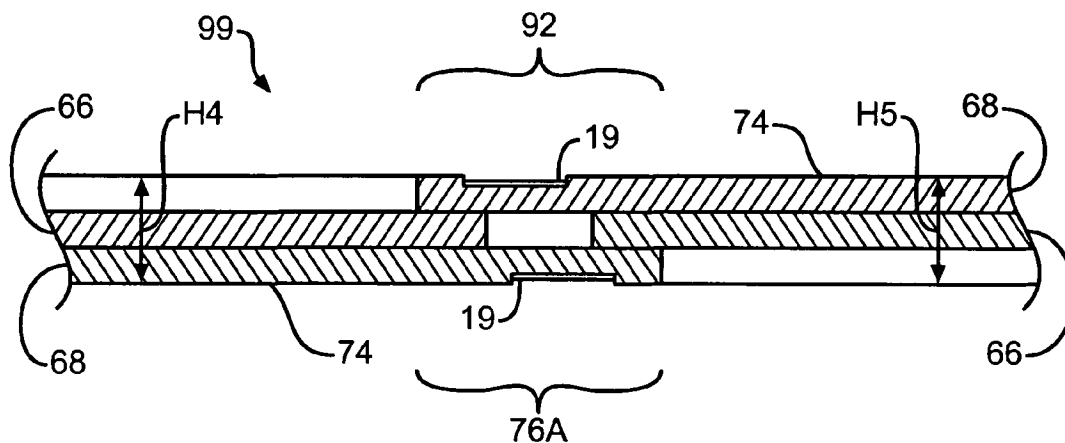


FIG. 4

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