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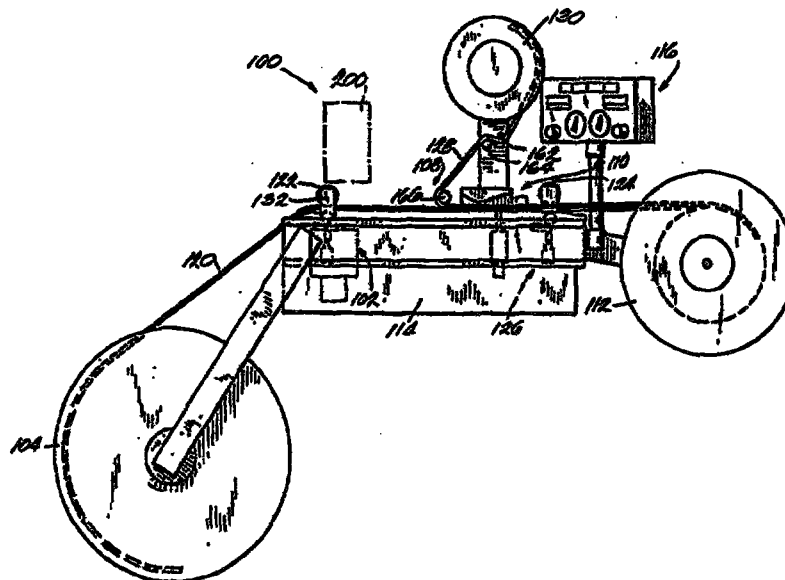
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(54) Title: POSITION SENSING SYSTEM FOR AN INSPECTION AND HANDLING SYSTEM



(57) Abstract

A drive for a carrier tape (12) used in conjunction with a pick and place module (200) of a machine for inspecting and handling advances the carrier tape (12) to its desired position in two steps. Using the number of sprocket holes (14) between compartments (20) in the tape (12) (n holes), the first step is $n-1$ sprocket holes (14). The second step takes the carrier tape (12) the remaining distance to complete the advance to the distance equal to n sprocket holes (14). The tape (12) is driven by friction rollers (122, 124) not by means of the sprocket holes (14). The presence of a device in a compartment (20) and its proper positioning in the compartment (20) is also inspected.