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(54) Title: **GUIDE WHEEL ASSEMBLY**

(57) Abstract

A guide wheel assembly (14), which can be preassembled as a single unit, is configured to be connectable to a guide frame (12) of a rail guided vehicle (10). The guide wheel assembly (14) generally includes a fixed component (18) connectable to the guide frame (12) and a rotating component (20) rotatably supported on the fixed component (18) by a bearing assembly (22). The elements of the fixed component (18), the rotating component (20) and the bearing assembly (22) are assembled on a shaft (24) of the fixed component (18) from a top or first end thereof. The shaft (24) includes a support member (40) secured at a second end of the shaft (24) and configured to prevent the rotating component (20) from detaching from the fixed component (18) in the event of bearing failure.

