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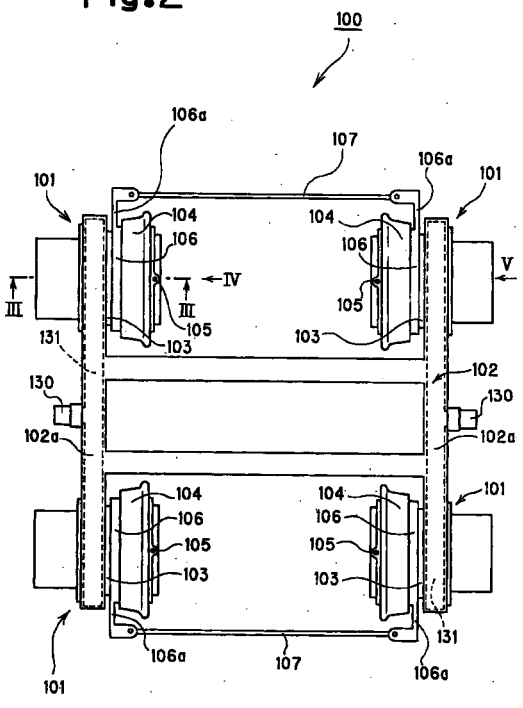
(54) Independent wheel driving component, independent wheel steering bogie and cooling structure

(57) An independent wheel driving component (101) comprising a motor (103) fixed to a bogie frame (102), a reduction gear, a wheel (104) attached to an outer peripheral surface of a steering plate (106) by a rolling bearing, and a power transmission member is disclosed. The rotating force of the motor (103) is transmitted to the wheel (104) via the reduction gear, a flexible plate, a drive shaft, and a flexible plate to rotate the wheel (104). The steering plate (106) can turn about a turning pin (105). An elastic member is press-fitted and interposed between the steering plate (106) and a motor frame. When the wheel (104), rolling bearing, and steering plate (106) make a steering turn, the elastic member elastically deforms to permit the steering turn of the wheel (104), etc. The elastic member also damps vibrations of the wheel (104). Thus, the motor (103), etc. do not make a steering turn, but only the wheel (104) can make a steering turn.

Fig.2



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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 2391

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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