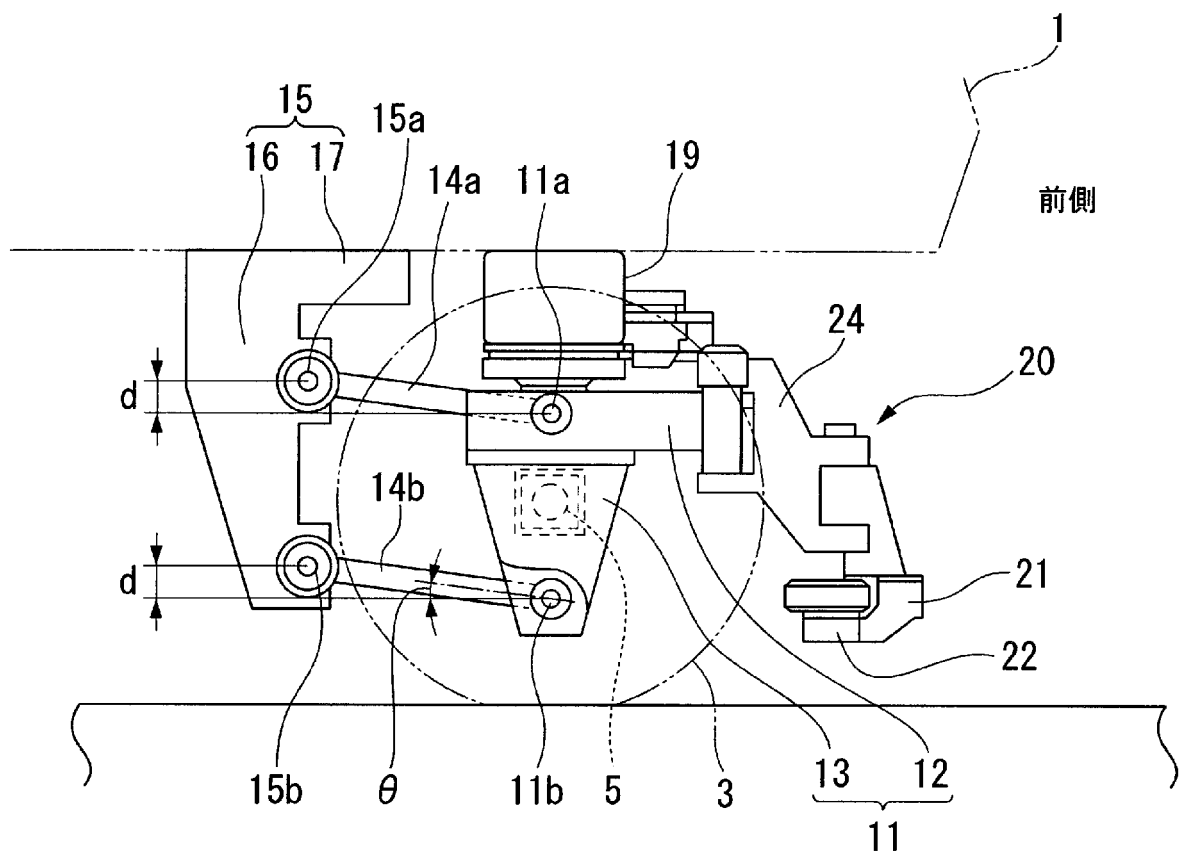
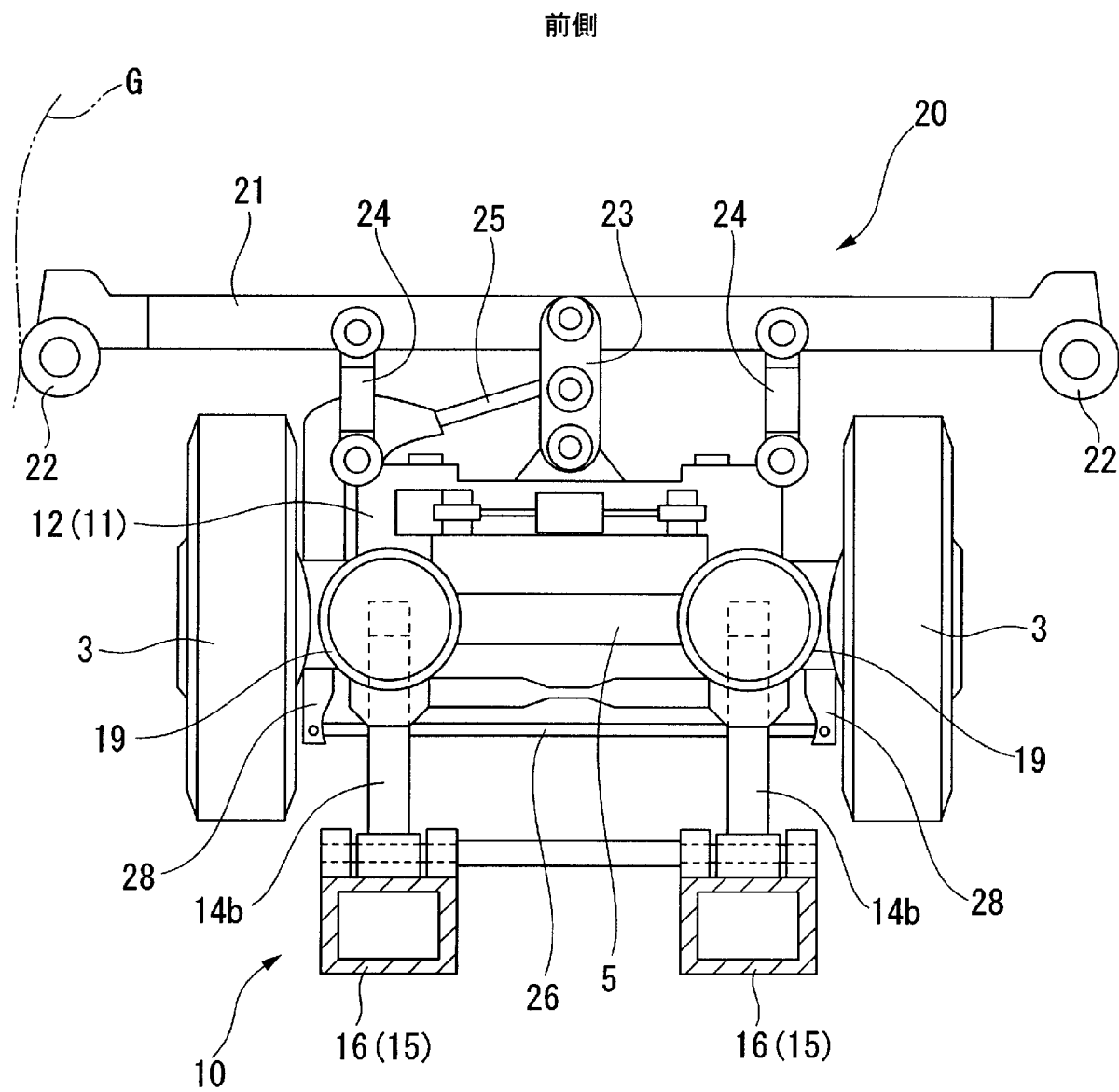


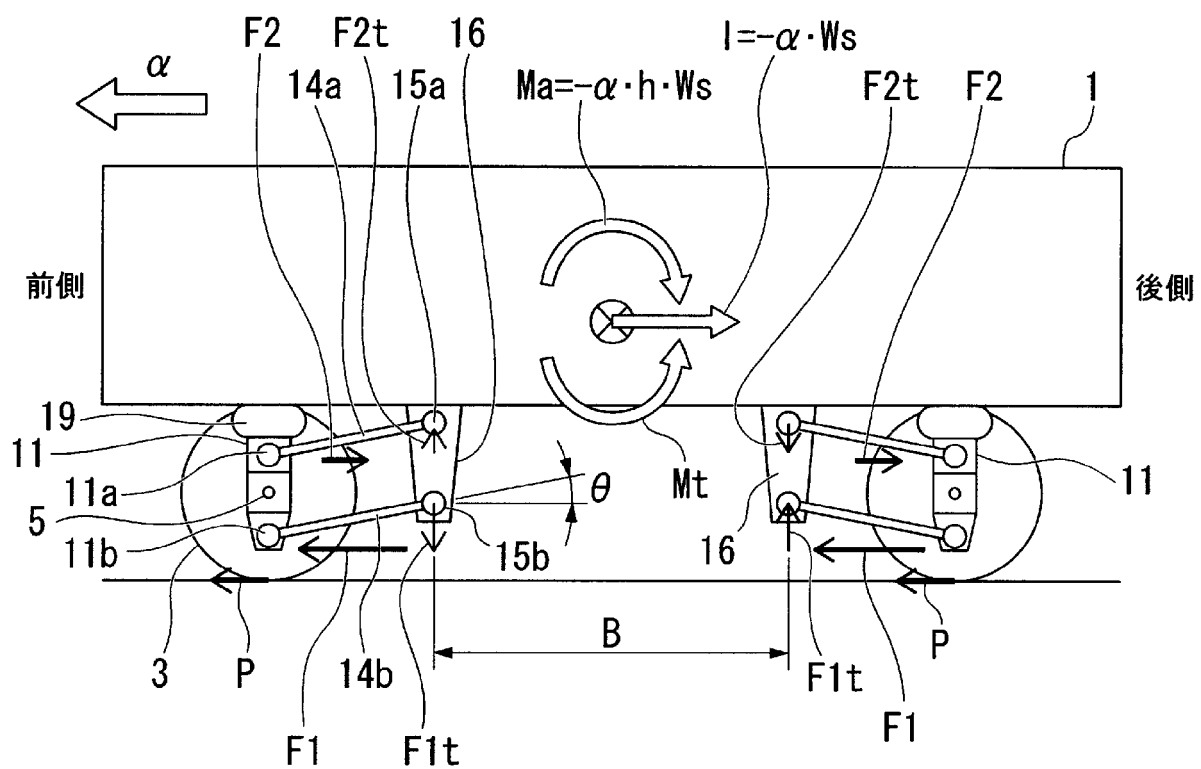
[図1]



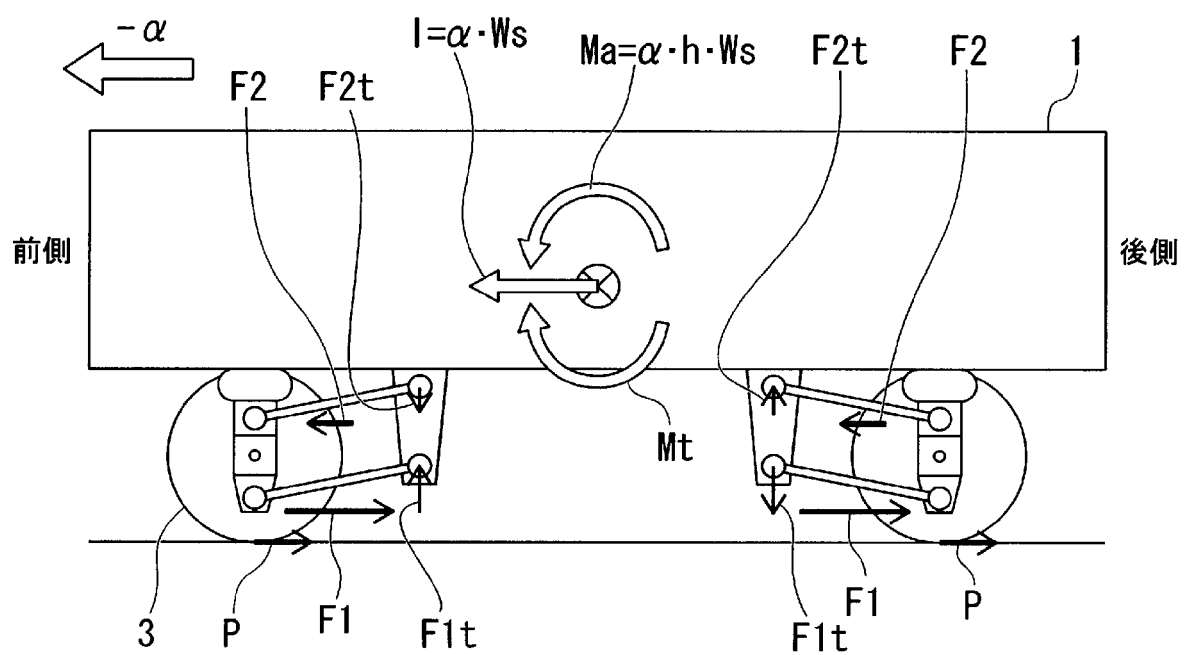
[図2]



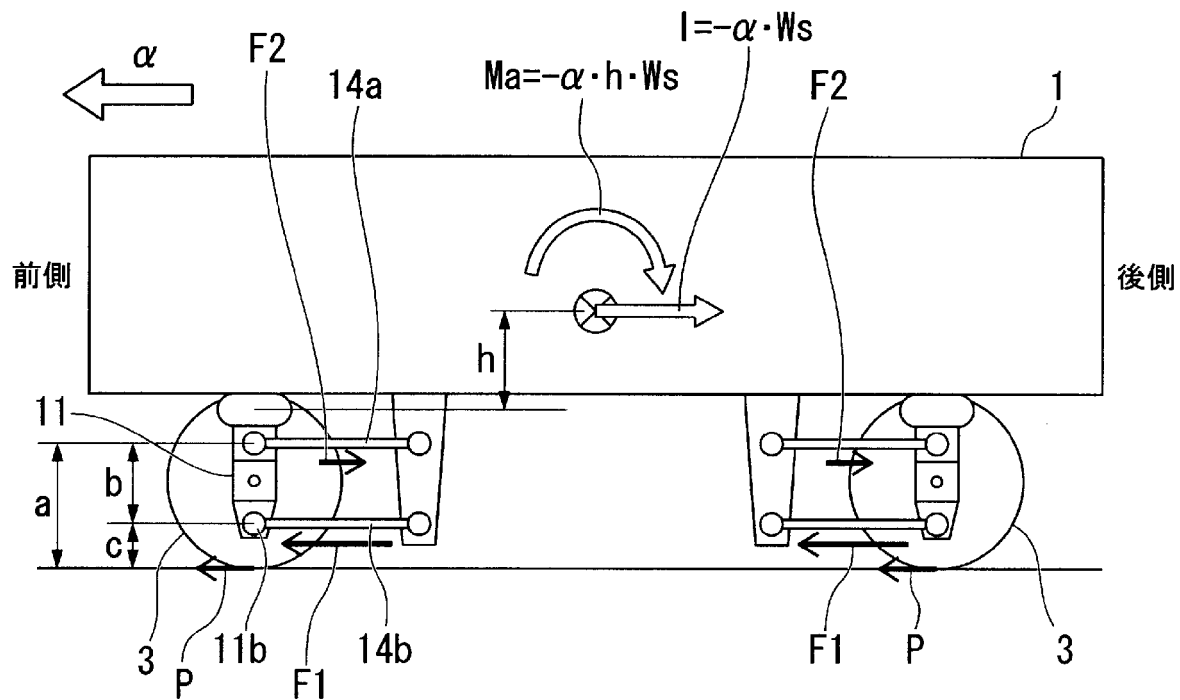
[図3A]



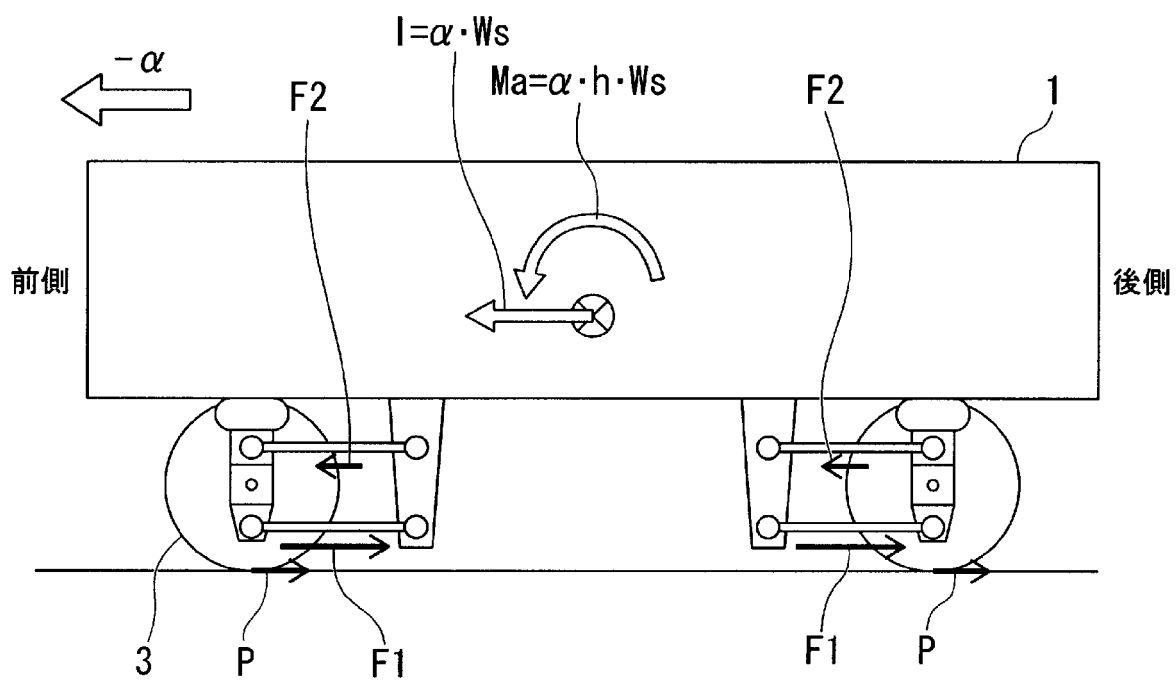
[図3B]



[図4A]



[図4B]



The diagram illustrates the forces and moments acting on a vehicle chassis (1) during a steering maneuver. The chassis is shown from a top-down perspective, with the front side labeled "前側" (Front) and the rear side labeled "後側" (Rear). A steering angle $-\alpha$ is indicated by a curved arrow at the front. The chassis is supported by two wheels (3) at the front and rear. The front wheel assembly shows forces $F1$ (lateral force) and $F1t$ (longitudinal force) acting on the tire contact patch, and a moment Mt (steering moment) acting on the chassis. The rear wheel assembly shows forces $F1t$ and $F1$ acting on the tire contact patch, and a moment Mt acting on the chassis. The chassis is subjected to a lateral force $F2$ at the front and rear, and a moment Mt around a central point. The forces and moments are related by the equations $I = \alpha \cdot Ws$ and $Ma = \alpha \cdot h \cdot Ws$, where I is the yaw moment of inertia, α is the steering angle, Ws is the wheel speed, Ma is the lateral acceleration, and h is the height of the center of gravity.