

(Abstract)

POWER FEEDING DEVICE AND RUBBER TIRED GANTRY CRANE INCLUDING THE SAME

A power feeding device includes two storage batteries (45, 46) and supplies power to a load (25A to 25D, 28, 29, 76) of an RTG 18 from one of the two storage batteries (45, 46) (the storage battery (45) (or the storage battery (46))). The other storage battery (46) (or the storage battery (45)) is connected to storage battery power feeding means (26, 41 to 44, 91, 92) (such as a noncontact-type power feeding system) and thus put in a chargeable state of being charged with power supplied from the storage battery power feeding means (26, 41 to 44, 91, 92). The power feeding device simultaneously allows discharge of the storage battery (45) (or the storage battery (46)) in the discharge state and charge of the storage battery (46) (or the storage battery (45)) in the chargeable state. In addition, the power feeding device comprises storage battery switching means (storage battery switching switches (47, 48) and a control device (77)) for repeatedly performing storage battery switching to switch the storage battery (45) (or the storage battery (46)) in the discharge state to the chargeable state and at the same time to switch the storage battery (46) (or the storage battery (45)) in the chargeable state to the discharge state.

Figure 1