

Title (en)

REMOTE CONTROL FOR CONSTRUCTION MACHINES, ESPECIALLY FOR A CONCRETE PUMP CO-OPERATING WITH A DISTRIBUTION ARM

Publication

EP 0113383 B1 19880629 (DE)

Application

EP 83100108 A 19830108

Priority

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Abstract (en)

[origin: US4621375A] For the remote control of construction machinery, more specially in the form of the distribution mast or boom of a concrete pump, in the invention a transmission system has a radio remote control unit whose control transmitter and receiver are joined up with the command unit and with the distributor for the solenoid valves respectively by respective plug contact connector means. The transmission mode is one using digitally encoded RF messages so that for each control function two part-messages are continuously transmitted after the connections have been made, such messages each being made up of a bit representative of the function, of address information and of a parity bit for security, and mirroring the condition of the circuits of the command unit. The receiver has a RF receiving part, a central process controller and a relay part or a D/A converter.

IPC 1-7

G08C 17/00; **G08C 23/00**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 0113383 A1 19840718; **EP 0113383 B1 19880629**; AT E35472 T1 19880715; BR 8400064 A 19840814; DE 3377243 D1 19880804; GR 79747 B 19841031; JP H0536577 B2 19930531; JP S59134237 A 19840801; US 4621375 A 19861104

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