

Title (en)

PAINT SPRAYER DISTRIBUTED CONTROL AND OUTPUT VOLUME MONITORING ARCHITECTURES

Title (de)

ARCHITEKTUREN ZUR VERTEILTEN STEUERUNG UND ÜBERWACHUNG DES AUSGABEVOLUMENS EINES FARBSPRÜHERS

Title (fr)

ARCHITECTURES DE COMMANDE ET DE SURVEILLANCE DE VOLUME DE SORTIE DISTRIBUÉES DE PULVÉRISATEUR DE PEINTURE

Publication

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Application

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- US 201862735524 P 20180924
- US 201862755181 P 20181102
- US 201962789219 P 20190107
- US 201962792107 P 20190114
- EP 22197868 A 20190923
- EP 19782893 A 20190923
- US 2019052463 W 20190923

Abstract (en)

A sprayer for spraying fluid includes a pump, a motor that drives the pump, a drive cycle indicator, a wireless module configured to send and receive information, and control circuitry. The drive cycle indicator outputs an indication of cycle status of the pump. The control circuitry is configured to receive the plurality of cycle status indications of the pump, determine a plurality of output values representing paint spray fluid output volume over a plurality of time windows based on the plurality of cycle status indications of the pump, store the plurality of output values in memory, and cause the wireless module to transmit one or more of the stored plurality of output values externally from the sprayer.

IPC 8 full level

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CPC (source: CN EP)

B05B 9/085 (2013.01 - CN); **B05B 9/0861** (2013.01 - EP); **B05B 12/00** (2013.01 - CN EP); **B05B 12/004** (2013.01 - EP); **B05B 12/082** (2013.01 - CN); **B05B 12/085** (2013.01 - EP); **B05B 15/14** (2018.02 - CN EP)

Citation (search report)

- [I] WO 2018132790 A1 20180719 - GRACO MINNESOTA INC [US]
- [I] US 2003101931 A1 20030605 - ESTELLE PETER W [US], et al
- [I] US 6259220 B1 20010710 - HAYS LYMAN V [US], et al
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WO 2020068685 A1 20200402; AU 2019350695 A1 20210520; CN 113164997 A 20210723; CN 113164997 B 20230818; CN 116943897 A 20231027; EP 3856420 A1 20210804; EP 3856420 B1 20230705; EP 4144443 A1 20230308; EP 4144443 B1 20231220; EP 4144444 A1 20230308; EP 4144444 B1 20230607; EP 4331731 A2 20240306; EP 4331731 A3 20240529

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