



MEDICAL DEVICE DEVELOPMENT EXPERIENCE



EXAMPLE MEDICAL DEVICE RELATED PROJECTS AND EXPERIENCE:

IntraPace – Class III Implantable

Electronics and software design and implementation. Device and System Level Verification and Validation.

Sybron Dental

Electronics and software design and implementation on an endodontic instrument.

Cardinal Healthcare

Independent reviewer on a pediatric respiratory care device.

Allegiance Healthcare

Consultation to evaluate heated humidifier design.

Pulmonetic Systems - LTV1000 Ventilator

Software design and implementation. Servo software by others.

Scott Labs

Consultation to evaluate conscious sedation - ventilator combination device.

Sensormedics

Consultation on a high frequency ventilator reliability problem.

Bird Products Corporation - TBird VS, VSO2, AVS

Electronics design and implementation including oxygen blender. Numerous algorithms. Oxygen blend algorithm by Rick Gros. Designed open-loop control algorithm to meet %O2 product requirement specification under continually changing patient inspiratory flow. Defined and managed the source of flow errors in the system to achieve a tight product specification.

Bird Products Corporation - Avian

Electronics design and implementation. Servo software by others.

Bird Products Corporation - Graphics Monitor

Electronics design and implementation plus BIOS and ROM DOS configuration

Bird Products Corporation - VIP

Electronics design and implementation plus motion control software and numerous algorithms. Servo software by others.

Bird Products Corporation - 6400ST

Electronics and software design and implementation. Servo software by others.

Ventilator Related Patents:

5,474,062 and 5,494,028

Ventilator Related Publications:

Contributing author to "Neonatal and Pediatric Pulmonary Graphics"
Edited by Steven M. Donn, M.D., ISBN 0879936452

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