

Children's Non-Profit DesignWise Medical Reaches Milestone by Filing its First Patent

MINNEAPOLIS, Minn., Oct. 18 (SEND2PRESS NEWSWIRE) – DesignWise Medical, a nonprofit pediatric device organization, announced today that it has applied for its first patent with the United States Patent and Trademark Office (USPTO). Formal application was prepared in cooperation with the William Mitchell School of Law Intellectual Property Clinic.

DesignWise Medical's [Overnight Pediatric Oxygen Delivery \(OPOD\)](#) system is a fully non-contacting method of delivering supplemental overnight oxygen to children with chronic lung conditions. The OPOD System is comprised of a hood structure that effectively incorporates a number of strategically positioned gas ports that direct oxygen to a resting patient. The hood directs volume of oxygen flow through gas ports that are optimized by sensors, which detect patient position, facial orientation, or other environmental or patient conditions. The benefit of a non-contacting supplemental oxygen system is that it totally eliminates interference or difficulties with nasal tubing, facemasks, straps, tape, etc.

"Some infants and children have chronic lung conditions that require supplemental oxygen delivery at night to keep their blood oxygen levels within normal ranges. The supplemental oxygen is not for life support, but it is crucial to maintain normal growth and to prevent pulmonary hypertension, which is a common complication of chronic hypoxemia. The challenge is that most of these children do not comply well with having nasal tubes taped to their face, so this makes administering oxygen very difficult," said Brad Slaker, Founder and CEO of DesignWise Medical.

DesignWise Medical is currently in the process of securing philanthropic funds from individuals, corporations and foundations to finalize the development of the OPOD System and continue developing several other pediatric solutions.

DesignWise Medical collaborated with the William Mitchell School of Law to draft and develop its patent application for the OPOD System. "DesignWise Medical exists because children's needs are not being addressed in the mainstream medical device industry. We partnered with DesignWise on this project because we saw an opportunity to enhance our student curriculum, while also helping children resolve a critical healthcare need," said Professor Jay Erstling, director of William Mitchell College of Law's Intellectual Property Clinic.

Additional information can be obtained by contacting Brad Slaker, Founder, CEO at: 612-385-2015 or brad.slaker@designwisemedical.org. You may also visit our Web site at: www.designwisemedical.org.

About DesignWise Medical:

DesignWise Medical is a nonprofit pediatric medical device organization focused on developing solutions to children's unmet medical needs. Through the sustained involvement of pediatric clinicians, parents, sponsors, volunteers and students we are able to identify, create and deliver collaborative solutions to an under served population.

As a 501(c)3 non-profit organization all donations are tax deductible. Our vision is that children's medical needs will receive the same level of attention and applicable technology as adult medical needs. DesignWise Medical lies within the heart of the world-renowned medical device industry of the Upper Midwest with access to the regions highly regarded children's hospitals and engineering and technical schools.

News issued by: DesignWise Medical Inc.



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