



OCEAN TOMO

全球专利在线竞价交易市场

**LOT #140**

**The Innovation Group -  
Patent and Trademark Portfolio Offering**



OCEAN TOMO

**BID-ASK™ MARKET**

# THE INNOVATION GROUP – PATENT AND TRADEMARK PORTFOLIO OFFERING

## Key Points

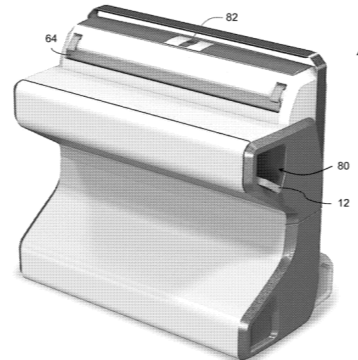
- 5 Issued US Patents (4 active, including 9 active independent claims, 51 active dependent claims)
- 3 Active US Trademarks
- Assignee/Owner: Innovation Group LLC
- Earliest priority date of active patents: 29/09/2014
- Latest priority date: 2/2/2015
- Latest expiry: 5/3/2035
- Technical area: Lateral patient transfer system

## EXECUTIVE SUMMARY

The Innovation Group's (TIG's) patents address the issue of caregiver injuries from transferring non-ambulatory patients from a bed to another surface. The patents describe a lateral patient transfer system, including a motorized lateral transfer device (Magic Mover™) and a transfer sheet (Magic Sheet™) that helps in reducing caregiver injuries while transferring patients.

To move the patient laterally from a bed, a corrugated Magic Sheet™ is made to slide under the lumbar region of the patient's back and the Magic Sheet™ is de-corrugated by extending it from head to toe of the patient. Thereafter, the Magic Sheet™ is engaged to a lateral patient transfer device (Magic Mover™) that pulls the sheet for moving the patient from the bed to another surface. The most important benefit of the system is that a patient can be transferred laterally “without lifting” and hence helps in reducing risk of injury. The process is well illustrated in a video that can be accessed by clicking the link below:

[Click here to see video in HD](#)



Magic Mover™ Lateral patient transfer device

Magic Mover System



Magic Sheet™


# THE INNOVATION GROUP – PATENT PORTFOLIO – LATERAL PATIENT TRANSFER SYSTEM AND METHOD

## List of Patent Assets

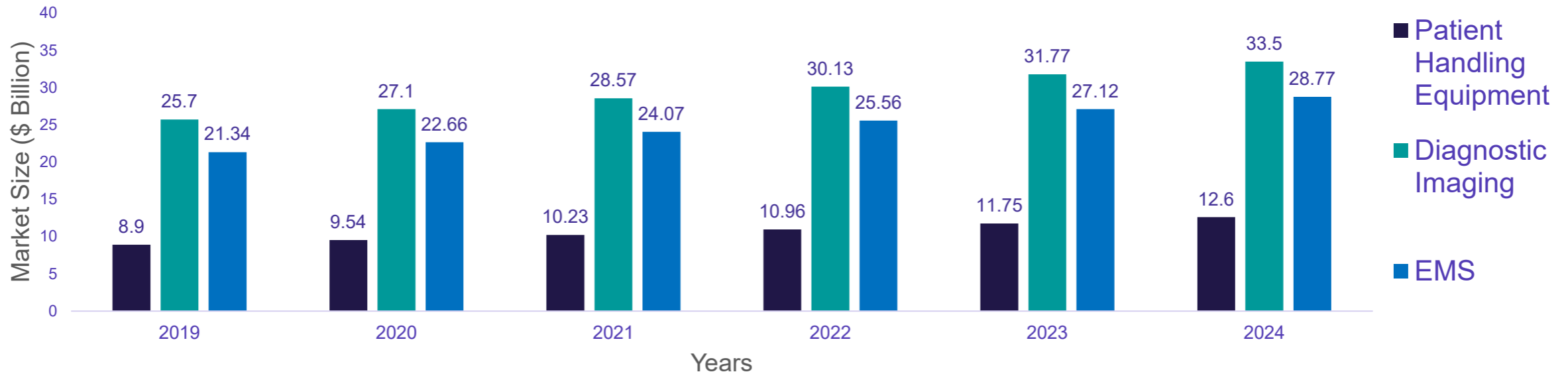
Publication Number	Title	Earliest Priority Date	Issue Date	Estimated Expiry Date	Count of Forward references	Count of independent claims	Count of dependent claims
US9320667	Methods of transferring patients	2014-09-29	2016-04-26	2035-02-02	1	4	22
US9439823	Patient transfer device	2014-09-29	2016-09-13	2035-02-02	1	3	17
US9445963	Patient transfer system	2014-09-29	2016-09-20	2035-02-02	1	1	6
US9675509	Patient transfer assembly	2014-09-29	2017-06-13	2035-03-05	2	1	6
US7571498	Patient transfer device	2008-01-14	2009-08-11	Lapsed	33	1	14

# LIST OF ACTIVE TRADEMARKS

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Trademark Application Serial No.	Protected Logo (protects all colors)
<a href="#"><u>88041082</u></a>	<p data-bbox="661 452 1429 540"><b>MAGIC SHEET</b></p> <p data-bbox="543 586 2573 679">The trademark application discloses a sheet specially adapted for transferring medical patients to or from a stretcher, bed, or other surface.</p>
<a href="#"><u>88041137</u></a>	<p data-bbox="661 734 1437 822"><b>MAGIC MOVER</b></p> <p data-bbox="543 925 2513 1017">The trademark application discloses a medical device for use with sheets which are specially adapted for transferring medical patients to or from a stretcher, bed, or other surface.</p>
<a href="#"><u>88041144</u></a>	

# POTENTIALLY RELEVANT MARKETS



## Patient Handling Equipment

- Projected to reach USD 12.6 billion by 2024
- CAGR of 7.2%
- The growth of this market is largely driven by factors such as the rising geriatric population, high risk of injuries to caregivers during the manual handling of patients, and the implementation of regulations ensuring the safety of healthcare personnel during manual lifting processes.

## Emergency Medical Service (EMS)

- Projected to reach USD 28.77 billion by 2024
- CAGR of 6.1%
- The growth of this market is primarily driven by the increasing demand for emergency care, rising incidence of trauma, and increasing healthcare expenditure across the globe.

## Diagnostic Imaging

- Projected to reach USD 33.5 billion by 2024
- CAGR of 5.5%
- The growth of this market is primarily driven by the increasing demand for early disease diagnosis and widening scope of clinical applications, rapidly growing geriatric population and the subsequent increase in the prevalence of associated diseases, technological advancements in diagnostic imaging industry, etc.

# THE INNOVATION GROUP – PATENT PORTFOLIO – LATERAL PATIENT TRANSFER SYSTEM AND METHOD

US 9,320,667 – SAMPLE CLAIM

TITLE – METHODS OF TRANSFERRING PATIENTS

CLAIM 14. A method of transferring a patient from a first resting surface to a second resting surface, the method comprising:  
inserting a sheet in a corrugated state into a channel formed between the patient and the first resting surface, wherein the sheet in the corrugated state is corrugated along a first dimension of the sheet corresponding to a longitudinal axis of the patient and the sheet in the corrugated state is inserted into the channel along a transverse axis of the patient perpendicular to the longitudinal axis of the patient;  
decorrugating the sheet to a decorrugated state by:  
extending a portion of the sheet in a first direction along the longitudinal axis of the patient between the patient and the first resting surface to under the patient's feet;  
extending a portion of the sheet in a second direction opposite the first direction along the longitudinal axis of the patient between the patient and the first resting surface to under the patient's head; and  
pulling laterally on the sheet in the decorrugated state to slide the sheet from the first resting surface to the second resting surface thereby transferring the patient.

# THE INNOVATION GROUP – PATENT PORTFOLIO – LATERAL PATIENT TRANSFER SYSTEM AND METHOD

## US 9,439,823 – SAMPLE CLAIM TITLE – PATIENT TRANSFER DEVICE

CLAIM 1. A patient transfer device for transferring a patient resting on a sheet from a first resting device to a second resting device, the patient transfer device comprising:

- a bottom assembly disposed at a bottom portion of the patient transfer device and including wheels or casters for transporting the patient transfer device;
- a top assembly disposed at a top portion of the patient transfer device and including pulleys;
- a height adjust member connected to the bottom assembly and the top assembly and configured to adjust vertical position of the top assembly and thus the pulleys;

wherein the top assembly includes a bumper assembly including a bumper surface for contacting the second resting device, the bumper assembly disposed on a front side of the patient transfer device such that the bumper surface is disposed on the front side away from the height adjust member at least as far as a footprint of the bottom assembly, vertical position of the bumper surface being adjustable by operation of the height adjust member;

- a motor disposed at or adjacent the bottom assembly at the bottom portion of the patient transfer device at an opposite side of the height adjust member from a side of the height adjust member at which the bumper surface is disposed; and
- a power transfer assembly including a sheet engaging assembly for engaging the sheet, the power transfer assembly in mechanical communication with the motor, the pulleys and the sheet for transferring power from the motor at the bottom of the patient transfer device to the top of the patient transfer device and through the pulleys to the sheet, whereby activation of the motor causes the power transfer assembly to pull on the sheet for the sheet to slide from the first resting device towards the second resting device while the bumper contacts the second resting device thereby transferring the patient.

# THE INNOVATION GROUP – PATENT PORTFOLIO – LATERAL PATIENT TRANSFER SYSTEM AND METHOD

## US 9,445,963 – SAMPLE CLAIM TITLE – PATIENT TRANSFER SYSTEM

CLAIM 1. A patient transfer system comprising:  
a patient transfer assembly comprising:  
a sheet of corrugatable material, the sheet having a longitudinal dimension, a transverse dimension perpendicular to the longitudinal dimension of the sheet, and at least one longitudinal edge extending along the longitudinal dimension of the sheet;  
at least one elongated stiffener disposed in relation to the sheet extending along the transverse dimension of the sheet to resist corrugation of the sheet in the transverse dimension of the sheet when the patient transfer assembly including the sheet corrugated in the longitudinal dimension of the sheet is inserted between the patient and a surface of a first resting device on which the patient rests;  
wherein the sheet includes portions at which pulling in a direction along the longitudinal dimension of the sheet decorrugates the sheet between the patient and the surface along a longitudinal axis of the patient extending from the patient's head to the patient's feet; and  
fasteners disposed at positions of the sheet such that pulling of at least one of the fasteners in a direction along the transverse dimension of the sheet slides the decorrugated sheet relative to the surface thereby transferring the patient along a transverse axis of the patient perpendicular to the longitudinal axis of the patient; and  
a patient transfer device configured to pull at least one of the fasteners in the direction along the transverse dimension of the sheet to slide the decorrugated sheet relative to the surface thereby transferring the patient,  
wherein the patient transfer assembly is operable to at least two configurations including:  
a corrugated configuration in which the sheet is corrugated along the longitudinal dimension of the sheet and in which the entire at least one longitudinal edge of the sheet converges such that the patient transfer assembly in the corrugated configuration is configured to be inserted along the transverse axis of the patient into a channel under the patient between the patient and the surface on which the patient rests, and  
a decorrugated configuration in which the sheet is decorrugated under the patient and in which the at least one longitudinal edge of the sheet extends along the longitudinal axis of the patient,  
wherein the patient transfer assembly is operable from the corrugated configuration to the decorrugated configuration while the sheet remains under the patient.



# THE INNOVATION GROUP – PATENT PORTFOLIO – LATERAL PATIENT TRANSFER SYSTEM AND METHOD

## US 9,675,509 – SAMPLE CLAIM TITLE – PATIENT TRANSFER ASSEMBLY

CLAIM 1. A patient transfer assembly comprising:  
a sheet of corrugatable material, the sheet having a longitudinal dimension, a transverse dimension perpendicular to the longitudinal dimension of the sheet, and at least one longitudinal edge extending along the longitudinal dimension of the sheet;  
at least one elongated stiffener disposed in relation to the sheet extending along the transverse dimension of the sheet to resist corrugation of the sheet in the transverse dimension of the sheet when the patient transfer assembly including the sheet corrugated in the longitudinal dimension of the sheet is inserted between the patient and a surface of a first resting device on which the patient rests; wherein the sheet includes portions at which pulling in a direction along the longitudinal dimension of the sheet decorrugates the sheet between the patient and the surface along a longitudinal axis of the patient extending from the patient's head to the patient's feet; and fasteners disposed at positions of the sheet such that pulling of at least one of the fasteners in a direction along the transverse dimension of the sheet slides the decorrugated sheet relative to the surface thereby transferring the patient along a transverse axis of the patient perpendicular to the longitudinal axis of the patient;  
wherein the patient transfer assembly is operable to at least two configurations including:  
a corrugated configuration in which the sheet is corrugated along the longitudinal dimension of the sheet and in which the entire at least one longitudinal edge of the sheet converges such that the patient transfer assembly in the corrugated configuration is configured to be inserted along the transverse axis of the patient into a channel under the patient between the patient and the surface on which the patient rests, and  
a decorrugated configuration in which the sheet is decorrugated under the patient and in which the at least one longitudinal edge of the sheet extends along the longitudinal axis of the patient,  
wherein the patient transfer assembly is operable from the corrugated configuration to the decorrugated configuration while the sheet remains under the patient.



OCEAN TOMO®  
INTELLECTUAL CAPITAL EQUITY®

## Contact

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Welcome to the Ocean Tomo Bid-Ask™ Market, the public voice brokerage platform for patent transactions.

欢迎来到 Ocean Tomo Bid-Ask™ Market, 首个通过传统经纪人公开在线进行专利交易的全球化市场平台

For assistance using the platform, contact Bid-Ask@OceanTomo.com

平台使用帮助, 欢迎联系 Bid-Ask@OceanTomo.com

- Bid 竞价
- Ask 要价
- In Market (Lot Will Sell) 待拍品
- Price Spread 价差
- Sold 成交
- Transaction Pending 待拍品

DOCUMENT PROCESSING SYSTEM

用户界面

LOTS: 64 专利拍品数量 SOURCE CODE 源代码

9 ASSETS 专利数量

DIGITAL DISPLAY SYSTEM

数字内容访问

LOT: 65 专利拍品数量

4 ASSETS 专利数量

OCEAN TOMO BID-ASK™ MARKET

OCEAN TOMO全球专利在线竞价交易市场

TOUR THE MARKET 市场一览

INDUSTRIAL INTERNET SECURITY & INSPECTION

一种工业互联网安全和检查的装置

LOT: 66 专利拍品数量 SALE 出售 LEASE 租赁

21 ASSETS 专利数量

OZONIX

种名为OXONIX的装置

LOT: 67 专利拍品数量 PATENTS 专利 TRADEMARKS 商标

18 ASSETS 专利数量

LOT NUMBER 拍品编号	DATA ROOM 数据服务室	PTO 知识产权局	NICKNAME 拍品名称	REPRESENTATIVE PATENT 专利	PRIORITY DATE 优先权日期	EVENT DATE* 活动日	BID USD/RMB* 竞价	BID EXP. DATE 竞价截止日	ASK USD/RMB* 要价	ASK EXP. DATE 要价截止日	PRICE SPREAD 价差	ASSETS 资产	TYPE 类型	NEXT MAINT. DUE DATE 下一个截止日	FORWARD CITATIONS 前引
03-ZHA-74-18		US	Data Processing 一种数据处理方法	US9047283	1/29/10	3/28/18			\$3,800,000 ¥ 24,062,360.00	9/28/18		38	Sale 交易	Various 多样的	14

The Ocean Tomo Bid-Ask™ Market (OTBA) was built to further enhance Intellectual Property (IP) liquidity and transaction transparency. OTBA serves a broad community of active buyers and sellers, providing a platform to purchase or sell patents and patent applications globally. This market is supported by Ocean Tomo Transactions and affiliate international voice brokers.

建立OTBA的目的是进一步促进IP资产流通性,提高了IP交易透明度。买卖双方通过 OTBA平台来购买或者出售全球专利权以及专利申请权, Ocean Tomo交易团队和旗下全球经纪人为平台提供线下提供服务支持, 以此建立活跃买卖双方的全球专利交易市场。