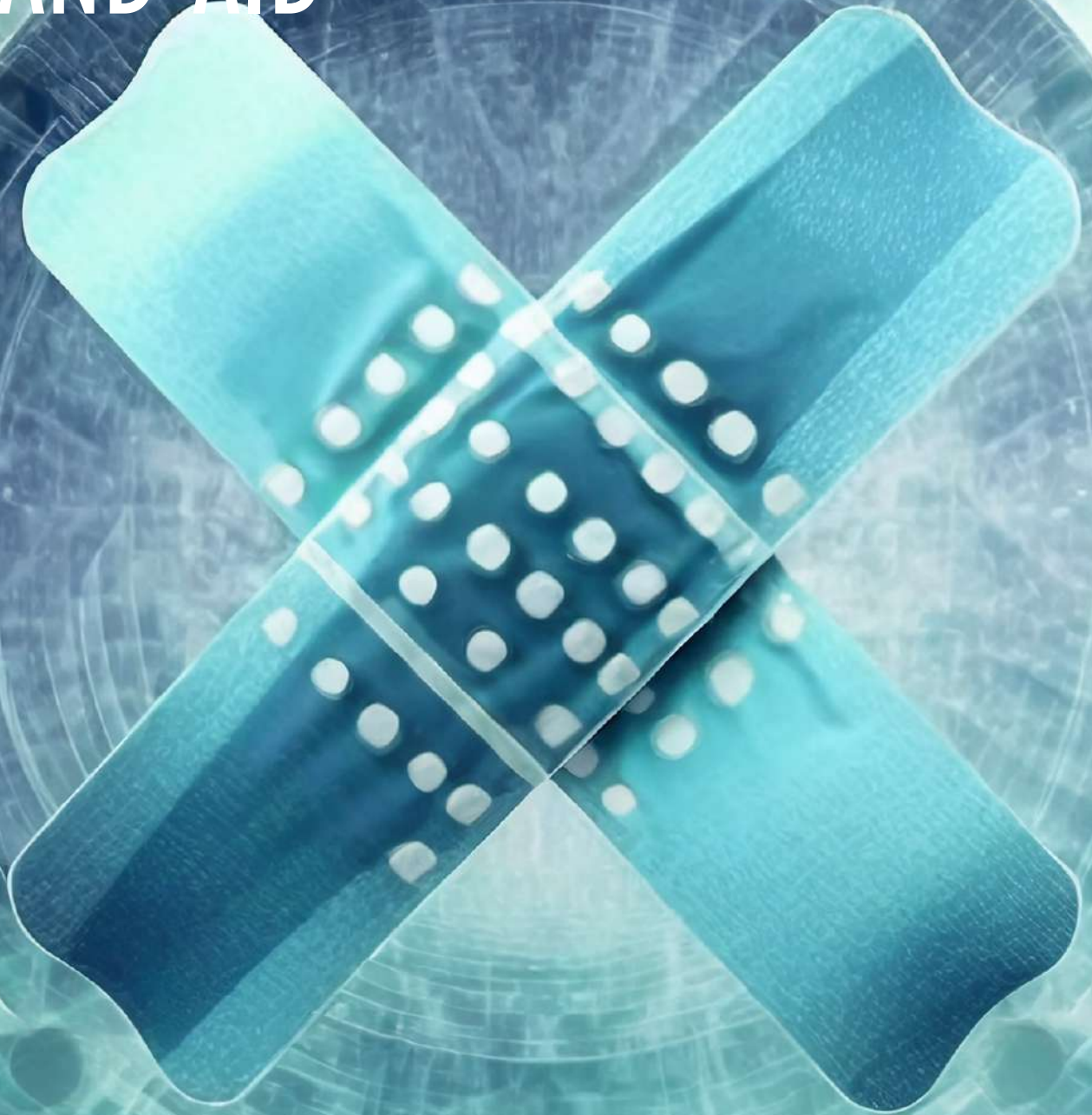


TECH SCAN

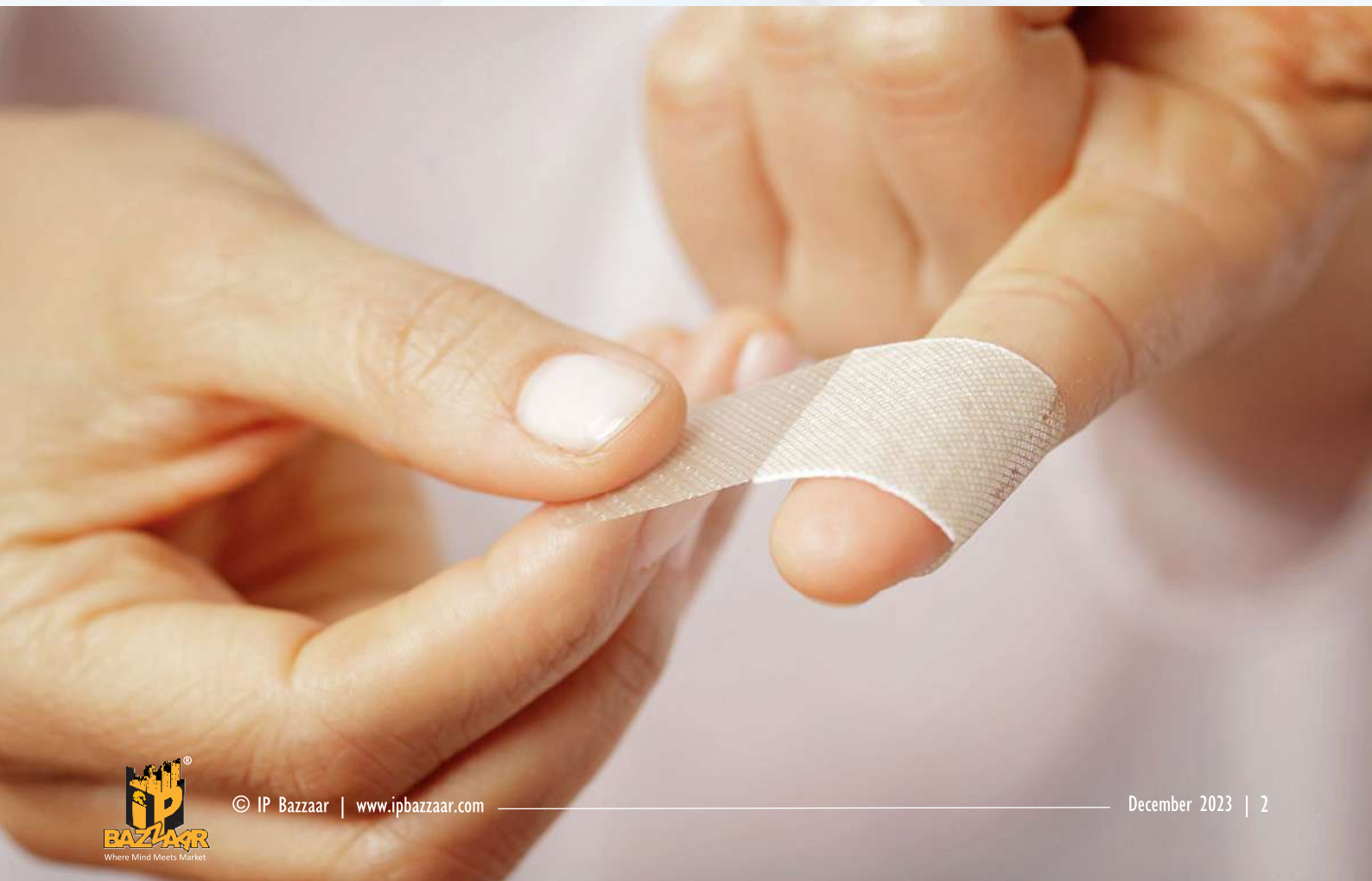
BAND-AID



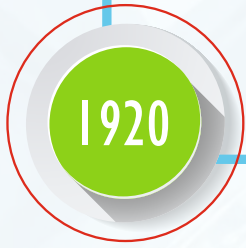
Band-Aid has played a significant role in first aid and wound care for decades. Developed by Johnson & Johnson in the 1920s, the term "Band-Aid" has become a genericized trademark, representing a versatile and convenient solution for minor injuries. Over time, Band-Aid has evolved to include various sizes, shapes, and materials, addressing diverse needs in the field of wound care.

Patenting Band-Aid innovations has become crucial in the medical and consumer goods industries. With continuous advancements in materials, adhesives, and design, inventors aim to enhance Band-Aid's efficacy, comfort, and versatility. By securing patents, innovators protect their unique contributions to the field, nurturing a culture of research and development.

In the current scenario of Band-Aid patents, a variety of inventive concepts emerged. From developments in hypoallergenic adhesives to advancements in incorporating antimicrobial properties, the patent environment reflects the industry's commitment to addressing evolving healthcare needs. Understanding the current situation on patents for Band-Aid provides insights into the innovation path, the competitive environment, and the future potential of this iconic and indispensable medical product.



INNOVATION TIMELINE



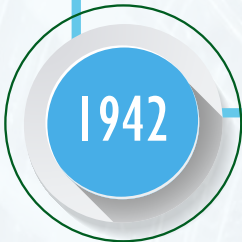
Earle Dickson Invented the first Adhesive Bandage



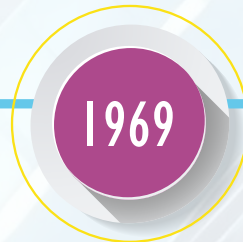
Johnson & Johnson Introduced Band-Aids to the Market



First Waterproof Bandage was Unveiled



Band-Aids Contributed to the World War II



Band-Aids on Apollo II Reached the Moon

Antibiotic Adhesive Band-Aids were Introduced



Liquid Band-Aids were Introduced



Quilted Padding Launched in Band-Aids (Aids blood removal and forms air channels)



Skin-Flex™ Band-Aids Debuted Providing 24-hour Hold, Water-resistance and Touchscreen-support



Biosensor-equipped Band-Aids are Introduced

PATENTABLE COMPONENTS

In the domain of Band-Aids, several elements may be eligible for patent protection. The following aspects are often considered for their potential patenting:

ADHESIVE COMPOSITION: Adhesive material formula, Hypoallergenic adhesive innovations, Gel-based adhesives.

WOUND DRESSING MATERIAL: Waterproof support material, breathable support material, flexible and stretchable support, Eco-friendly materials.

ANTIMICROBIAL FEATURES: Formulation and combination of antimicrobial substances. Drug Delivery Systems: Microencapsulation, Hydrogels, Nanoparticles.

CLOSURE MECHANISMS: Velcro-like closures, Clasps, snaps, or other closure innovations.

COLOUR-CHANGING INDICATORS: Bandages with colour-changing properties to indicate specific conditions or healing stages.

SPECIALIZED SHAPES AND DESIGNS: Aesthetic design considerations, colour variations and patterns, Unusual shapes or configurations for specific applications, Specialized sizes for different body parts.

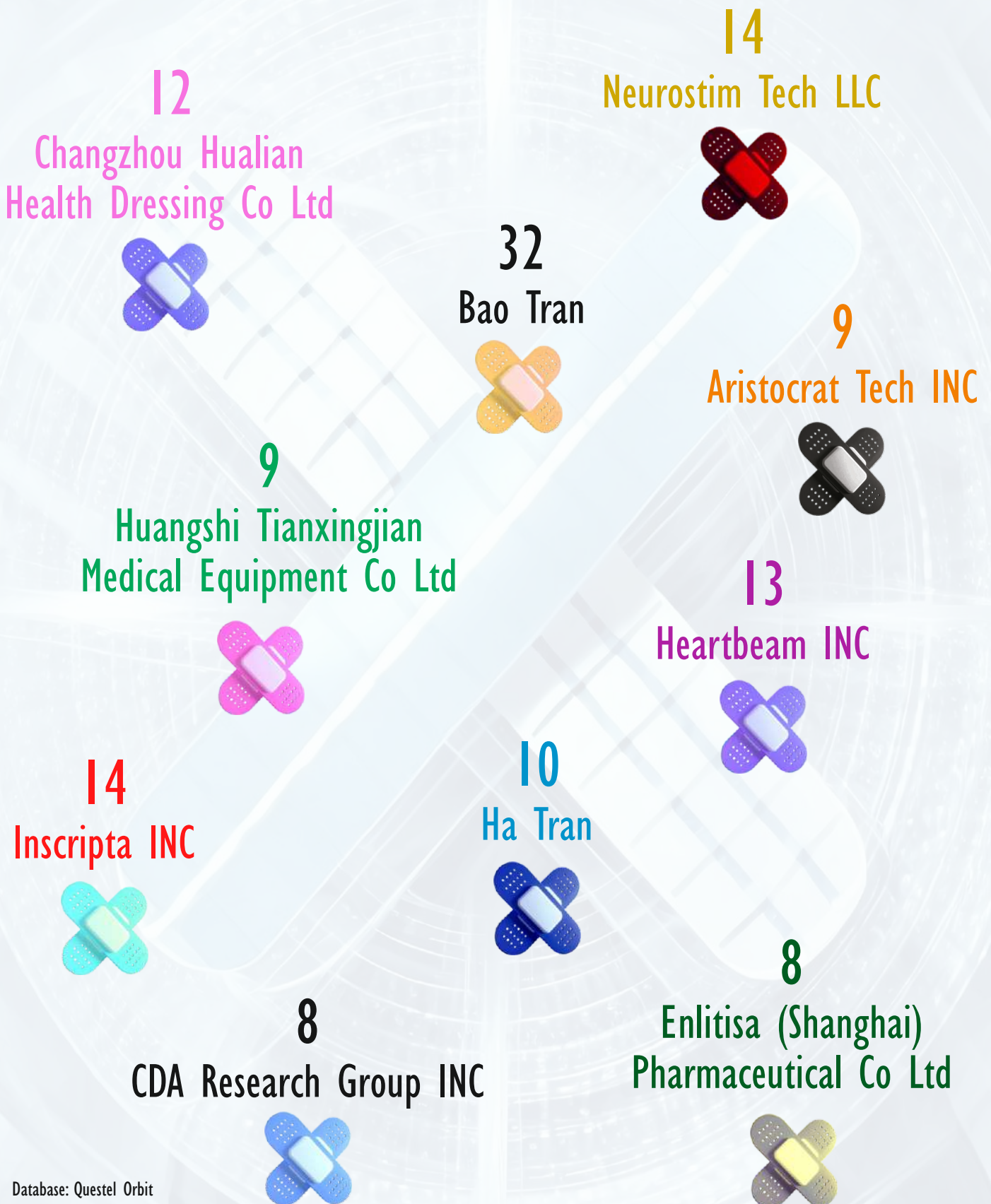
WOUND VENTILATION SYSTEM: Features to promote airflow, ventilation to aid in the healing process.

PACKAGING DESIGN: Innovative packaging solutions for bandages, Eco-friendly packaging materials.

SMART BANDAGES: Integration of electronic components or sensors, Technologies for monitoring wound healing or delivering medications.

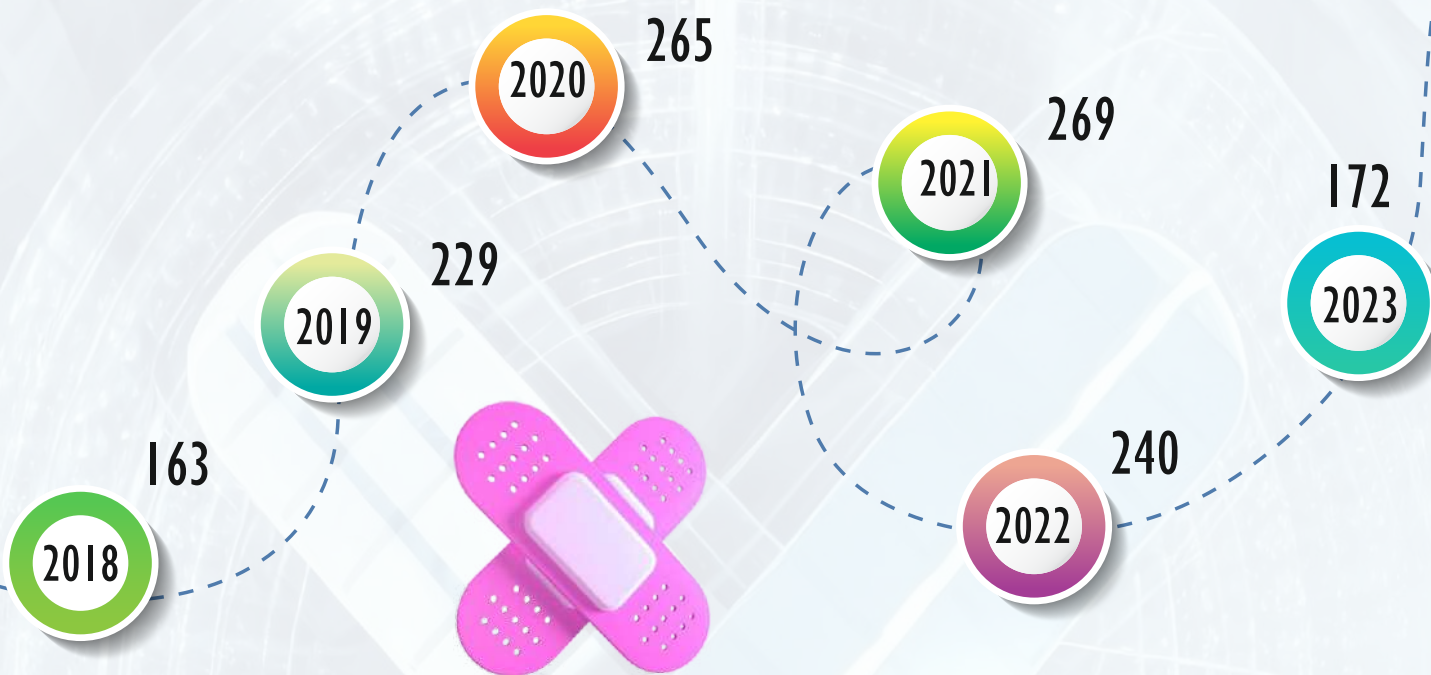
PATENT STATISTICS

No. of Patents Filed in Different Companies in Last Five Years

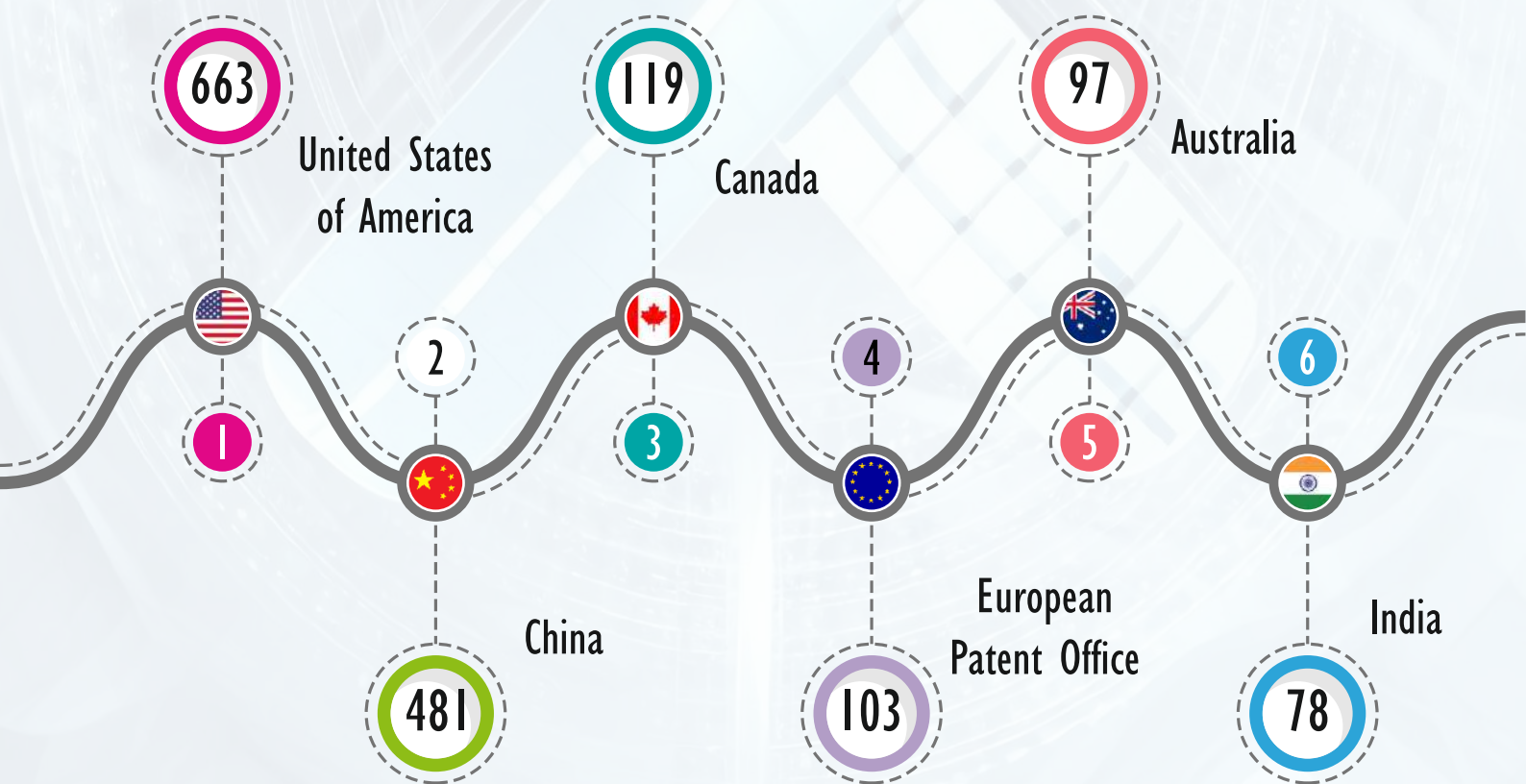


Database: Questel Orbit

WORLDWIDE PATENT FILING TIME-LINE



PATENT LANDSCAPE



Database: Questel Orbit

NOTABLE INNOVATIONS

Patent Application	Priority Date	Title	Assignee
CN115501376	16.09.2022	Gel Type Antibacterial Medical Band-Aid and Preparation Method Thereof	Changzhou Major Medical Products Co. Ltd.
CN114939022	06.05.2022	Retractable Band-Aid Convenient for Wound Healing	Zhuhai Litong Biological Technology Co. Ltd.
CN217245186	16.03.2022	Totally-closed Waterproof Medical Silica Gel Band-Aid	China-Japan Friendship Hospital
CN217310833	24.01.2022	Antibacterial Band-Aid Containing Pdrn Liposome	Reali Tide Biological Technology (Weihai) Co., Ltd.
US20220047523	28.09.2021	Color-changing Antibacterial Nanofiber	University of Manitoba
CN115555322	02.07.2021	Cleaning and Disinfecting Equipment for Band-Aid Production and Disinfecting Method of Cleaning and Disinfecting Equipment	Huangshi Tianxingjian Medical Devices Co. Ltd.
IN202041057439	31.12.2020	Protease-based Wound Dressing Material	Kumaraguru College of Technology
CN113813441	19.06.2020	Liquid Band-Aid Containing Stem Cell Repair Factors and Preparation Method of Liquid Band-Aid	Liaoning Medical Diagnosis and Technology Research & Development Center Co., Ltd.
IN202227055195	17.04.2020	Self-sterilizing Wound Dressing	Kraton Polymers LLC
US20210379118	18.10.2019	Use of Egg Cellular Extract for Wound Healing	Regenics AS
US20210093748	26.09.2019	Liquid Band-Aid containing Peptide Anti-inflammatory Active Ingredient and Preparation Method Thereof	Zhejiang Ocean University
US20210046098	04.02.2019	Methods and Compositions for Treating and Preventing Skin Barrier Disruptions	Dermafence Ltd

WHITE SPACE

Probiotic Band-Aid for Fungal Defence

Band-Aid with Plant-based Bacteriostatic Absorption

Integration of Electronic Components or Sensors

Smart Band-Aids E.G. Biomorphic Electrotherapy

Band-Aid with Dermatological Disorder Medications

Pressure Detection Band-Aid

Pressure Adjustable Band-Aid

A Smart Wound Care System for Substrate Characterization

Phototherapy Band-Aid

Customizable Band-Aid Vending Machine

If you would like to learn more about any of these areas or have specific questions, we're here to provide further information and insights. Our team is dedicated to driving progress and staying at the forefront of Band-Aid.

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