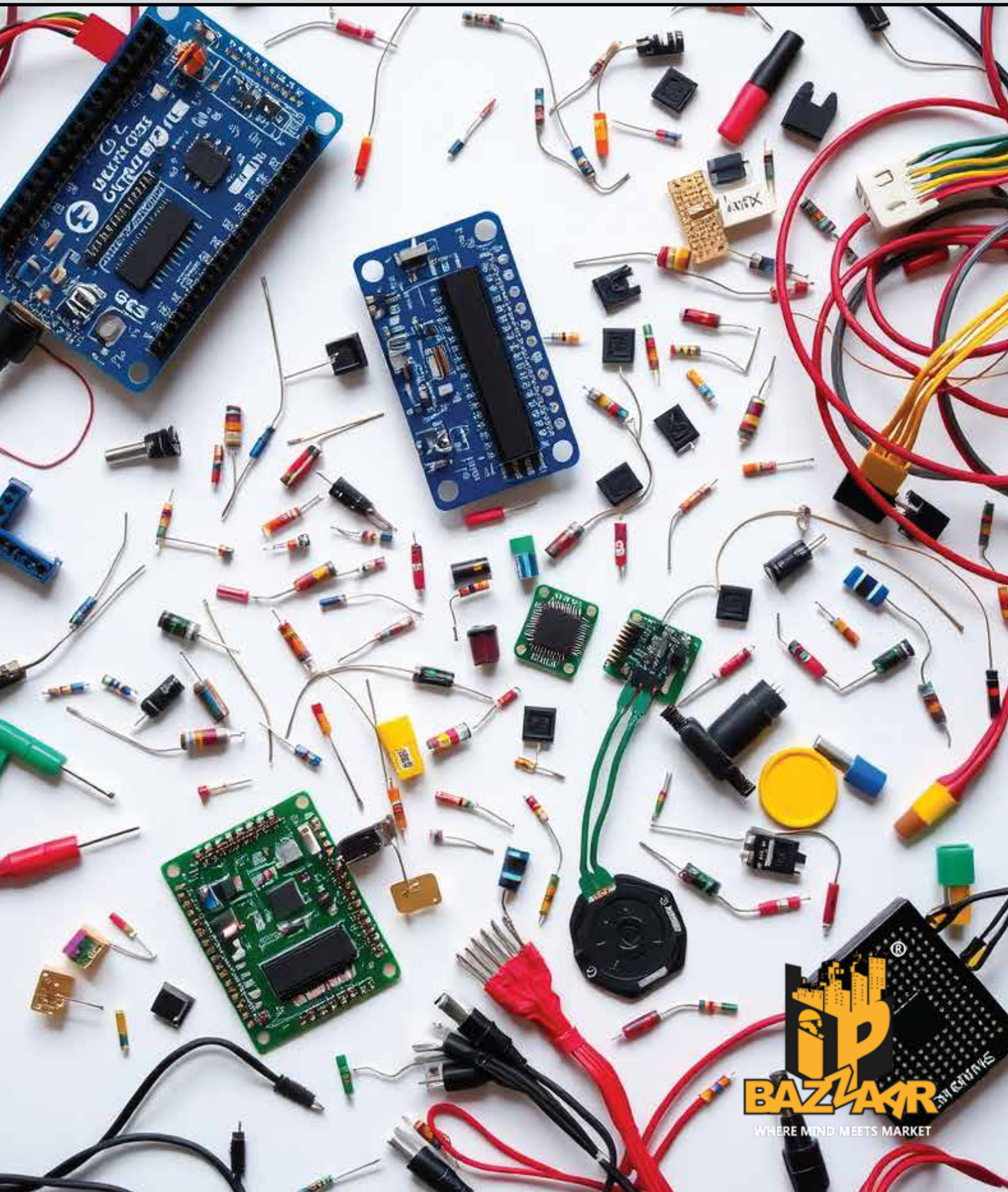


TECH SCAN

E-WASTE RECYCLE TECHNOLOGY



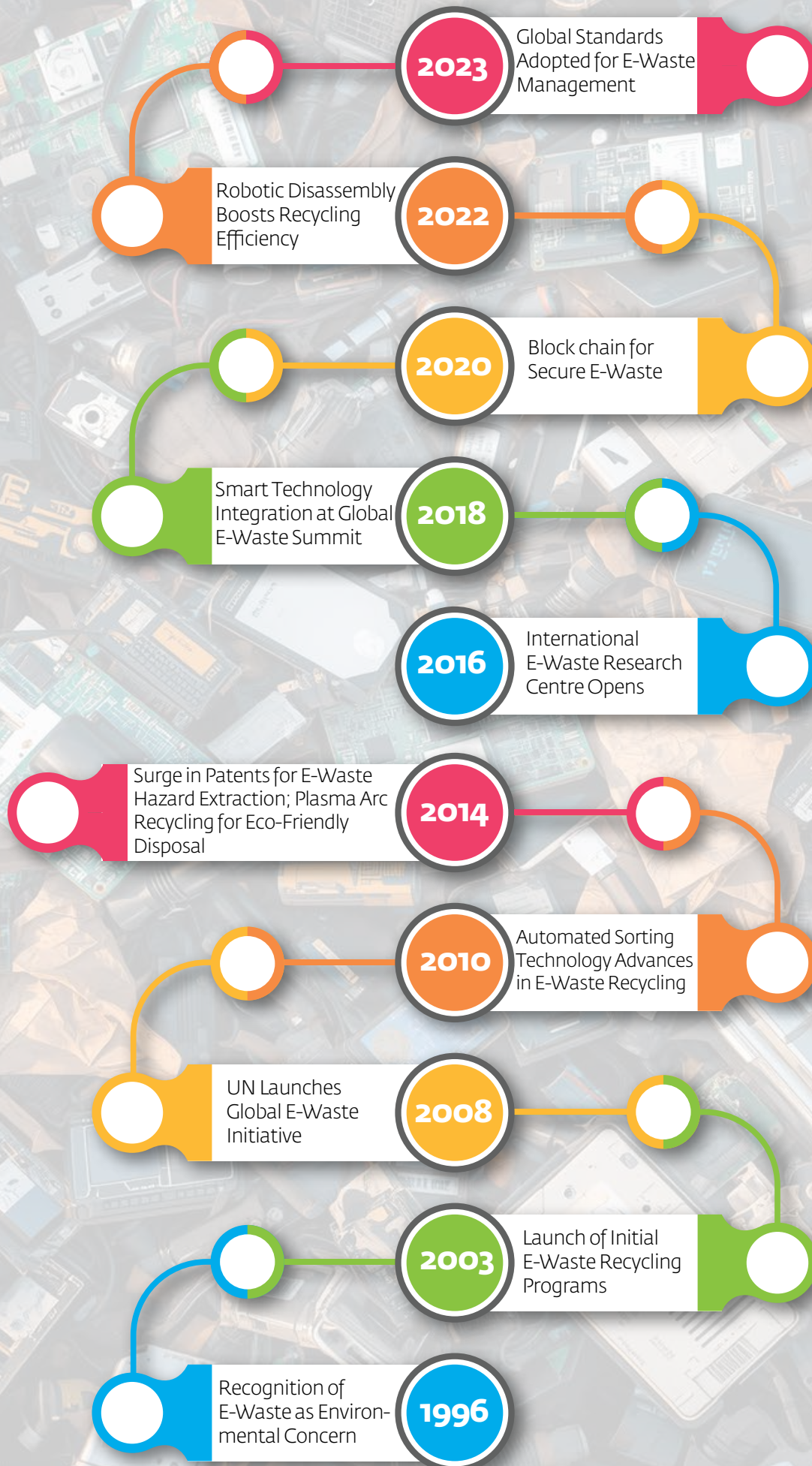
Electronic waste or E-Waste Disposal Technology has become essential in addressing the escalating environmental challenges posed by electronic waste. Originating from electronic devices, this waste stream demands innovative solutions to mitigate its adverse impact. In recent years, a surge in patents reflects the dynamic landscape of E-Waste Disposal Technology. Inventors are focusing on diverse aspects, including efficient recycling methods, hazardous substance extraction, and sustainable disposal practices.

Patents in this field highlight advancements in automated sorting techniques, enhancing the extraction of valuable materials from electronic waste. Additionally, there is a notable emphasis on eco-friendly disposal methods, reducing the environmental footprint of electronic waste management processes. The development of smart technologies for tracking, monitoring, and managing e-waste has also garnered attention, streamlining the logistics of disposal.

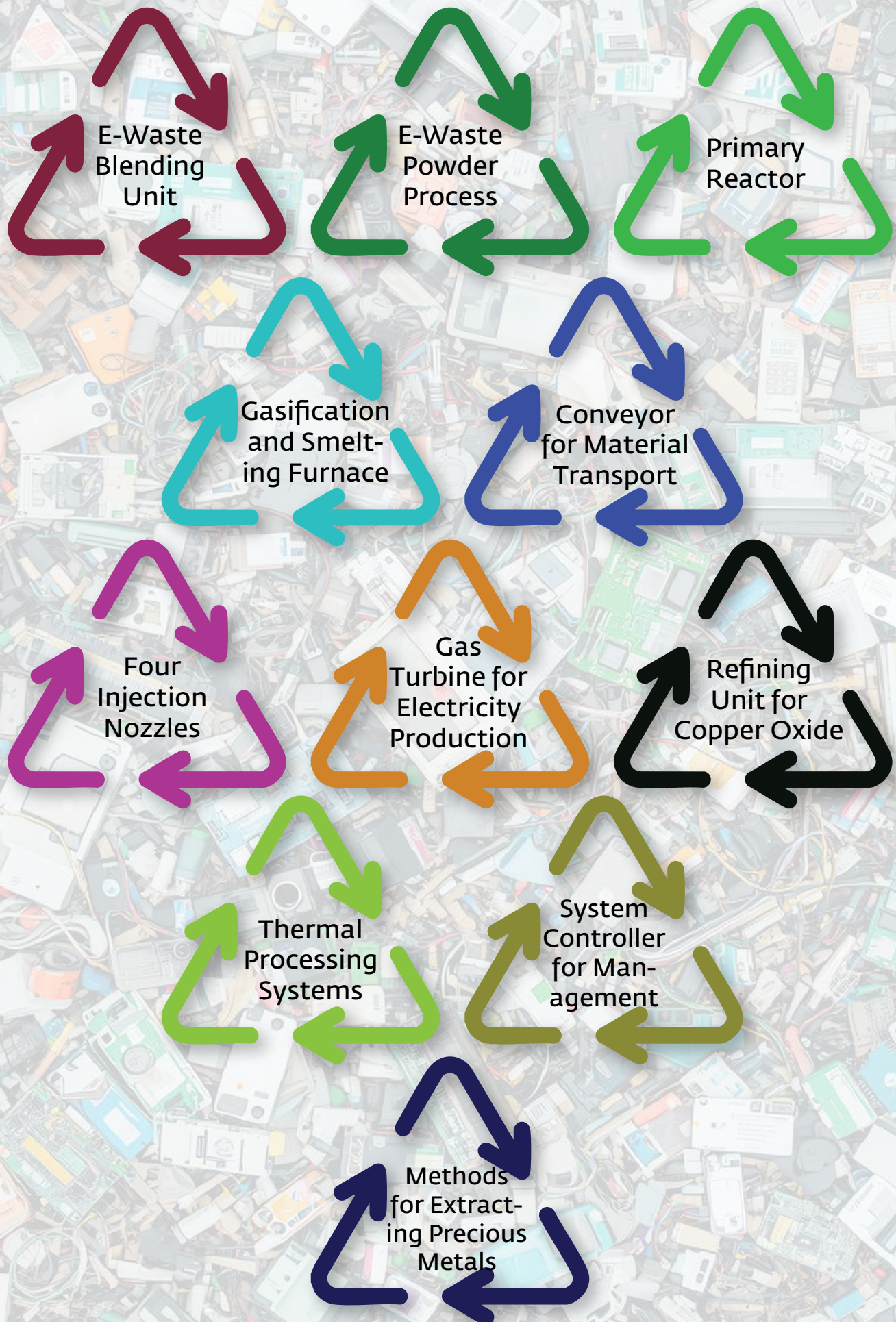
As the global concern for electronic waste grows, patenting innovations in E-Waste Disposal Technology becomes instrumental in fostering a culture of sustainability and responsible technological consumption. Understanding the current patent landscape offers valuable insights into the evolving strategies, competitive dynamics, and future possibilities within the realm of electronic waste management.



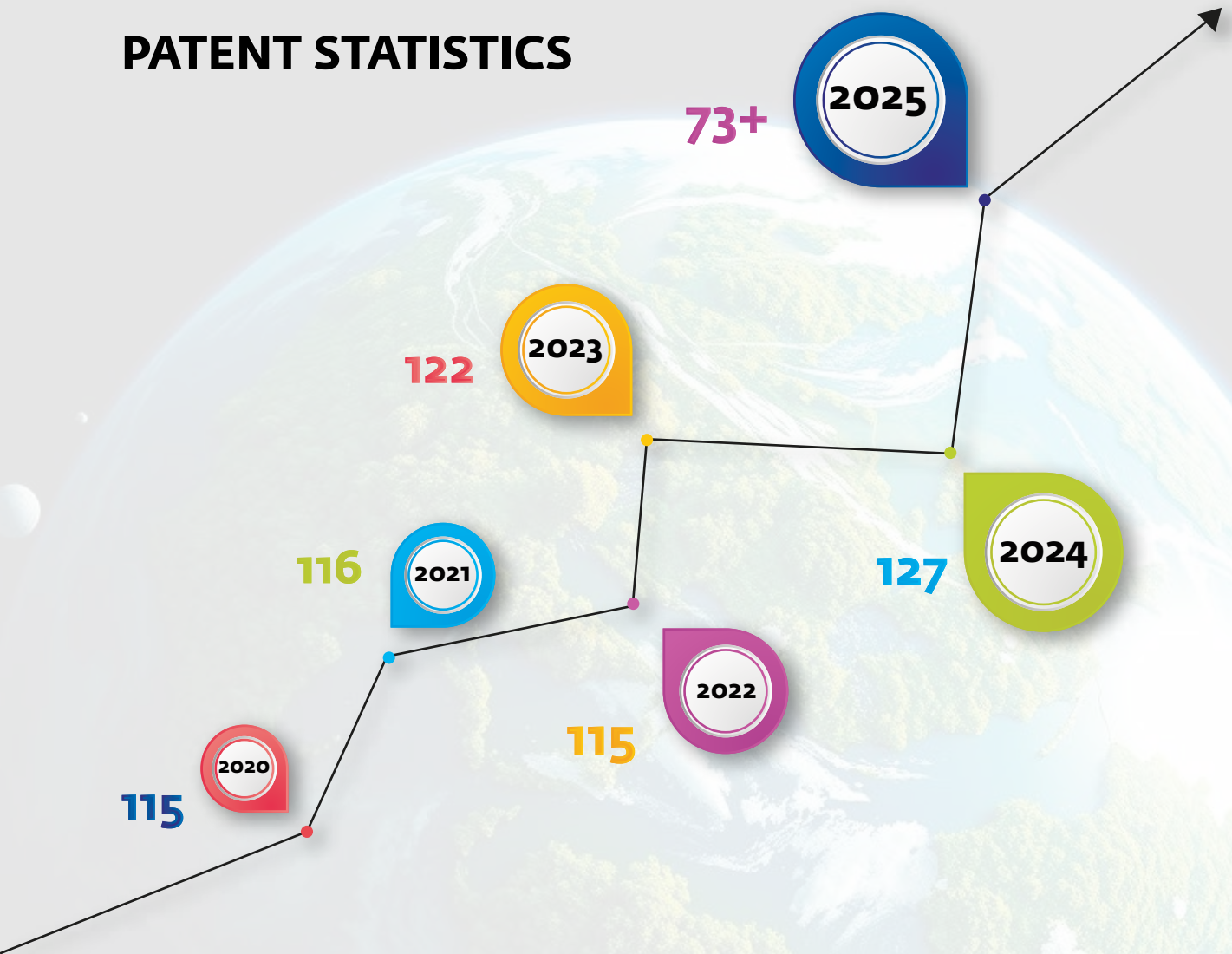
INNOVATION TIMELINE



PATENTABLE ASPECTS



PATENT STATISTICS



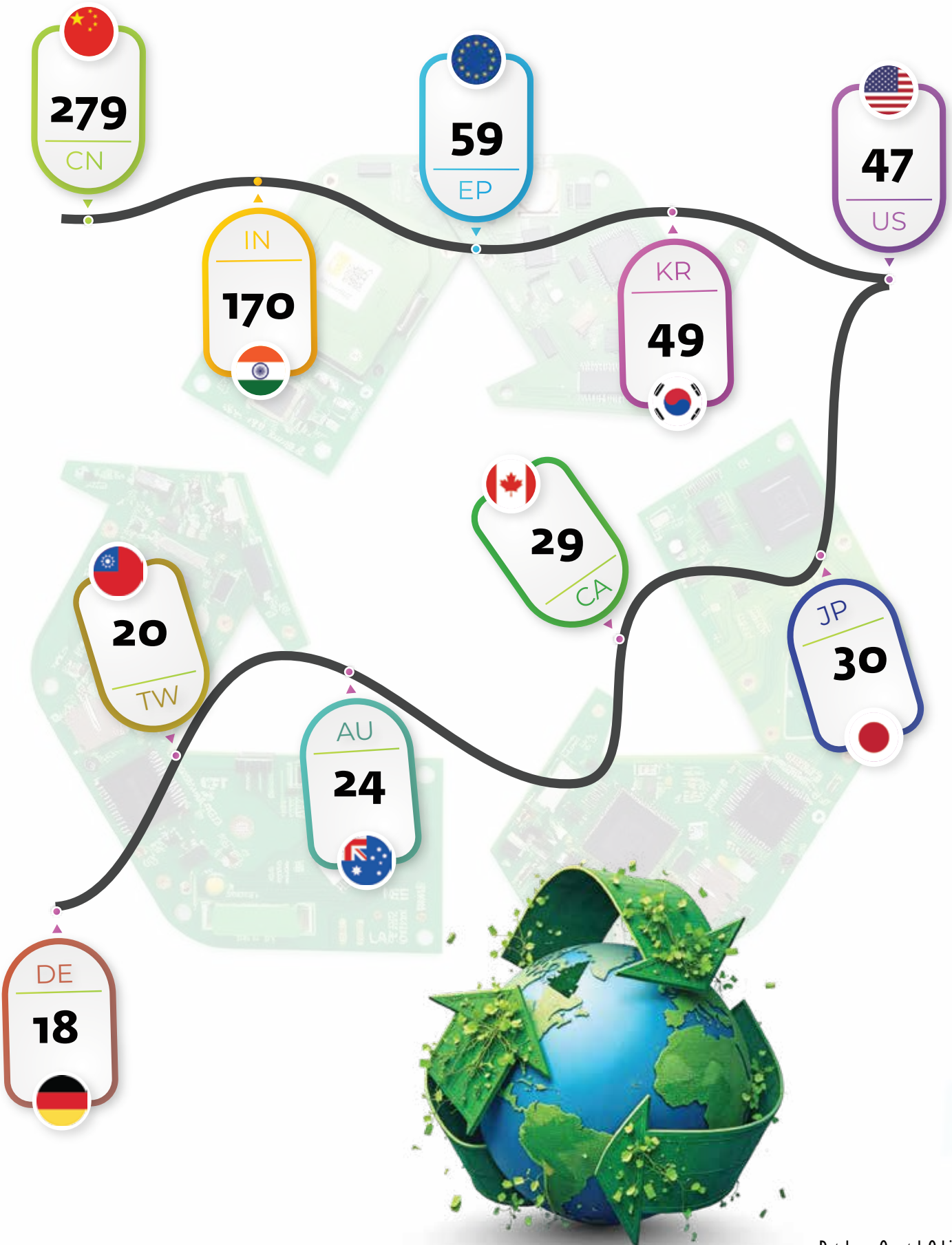
TOP APPLICANTS



Database: Questel Orbit
Data Range: 01/01/2020 - 31/10/2025



PATENT LANDSCAPE



Database: Questel Orbit
Data Range: 01/01/2020 - 31/10/2025

NOTABLE INNOVATIONS

Patent Application	Priority date	Title	Assignee
WO2009129271	Apr 14, 2008	System for the Sustainable Recovery of Metals from Electronic Waste	Akridge James R
US20100168495	Dec 30, 2008	Processes for preparing a catalyzed carbonaceous particulate	Rappas Alkis S. Greatpoint Energy, Inc. Spitz Robert A.
WO2011130622	Apr 15, 2010	Method for Recycling of Obsolete Printed Circuit Boards	Advanced Tech Materials Brosseau Andre Grigorenko Svitlana Jiang Ping Korzenski Michael Greene Lyon Group Inc
EP2604711	Aug 9, 2010	Method for Recycling Lead from Waste Glass Containing Lead	Gem Co Ltd Jingmen Gem New Mat Co Ltd
US20150322540	Dec 15, 2011	Apparatus and method for stripping solder metals during the recycling of waste electrical and electronic equipment	Entegris Inc
US20160045841	Mar 15, 2013	New and Improved System for Processing Various Chemicals and Materials	Kaplan Allen Bradley Randall Transtar Group Ltd
WO2022072216	Oct 2, 2020	Efficient Material Recovery Facility	Amp Robotics Corp
US20230230051	Jan 20, 2022	System and Method of Using Bill of Materials (BoMs), Component Usage Metrics and Environment Metrics to Optimize E-waste and Attain Sustainability Goals	Dell Products
US20230405943	Jun 10, 2022	Methods and Apparatuses for Altering Portions of Substrates with Vibration Energy	The Procter & Gamble Company
WO2024014333	Jul 12, 2022	Method for Regulating a Thermal Management System for Electric Vehicles and Thermal Management System for This Purpose	Denso Corporation

WHITESPACES

Methods to
Transform E-Waste
into Clean Fuel Gas
and Char

Oxygen-Free
Thermolysis
System

Cement-Free
Grout
Manufacturing
Method with
Silica-Sol Phase

Method of
Treating Toxic
Halogenated
Waste

Eco-friendly
Nanobots Sort
Components

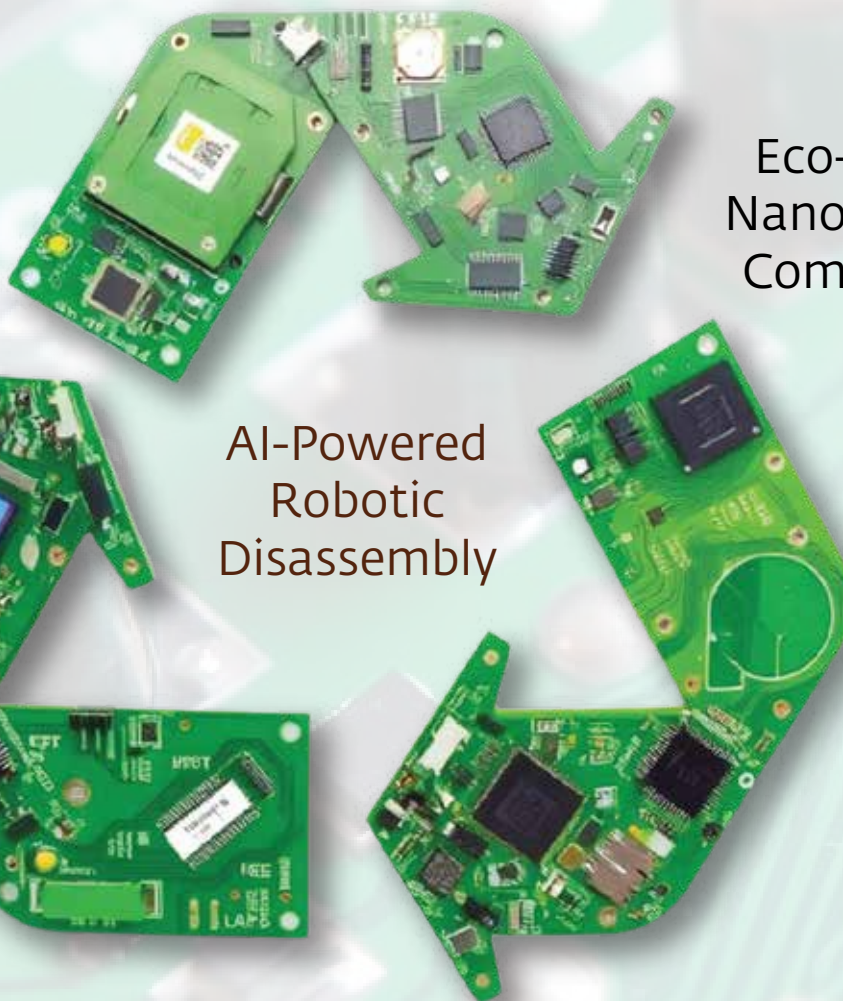
AI-Powered
Robotic
Disassembly

3D Printing from
Recycled
Components

Nanotube
Electrode for
Metal Recovery

Neodymium
Extraction from
Waste Printed
Circuit Boards

Ceramic-Based
Metal Recovery



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 E-WASTE RECYCLE TECHNOLOGY.

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