



Observatorio de bibliometría y cienciometría USTA PATENT LANDSCAPES REPORTS



Diseño de Dispositivos mecánicos

Dirección de Investigación e Innovación – Sede principal
Centro de Recursos para el Aprendizaje y la Investigación
CRAI-USTA

Por: Cristian Alexander Vega Mosquera, Camilo A. Corchuelo R. y
Luz Marina Paez

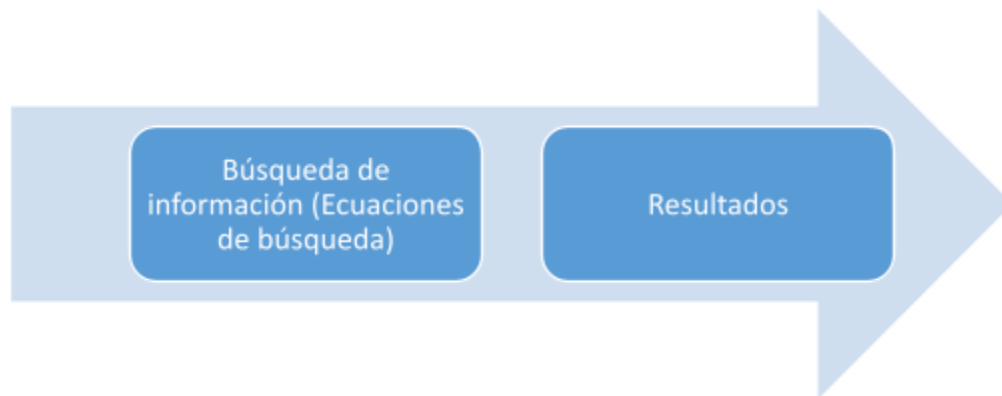
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Ficha técnica

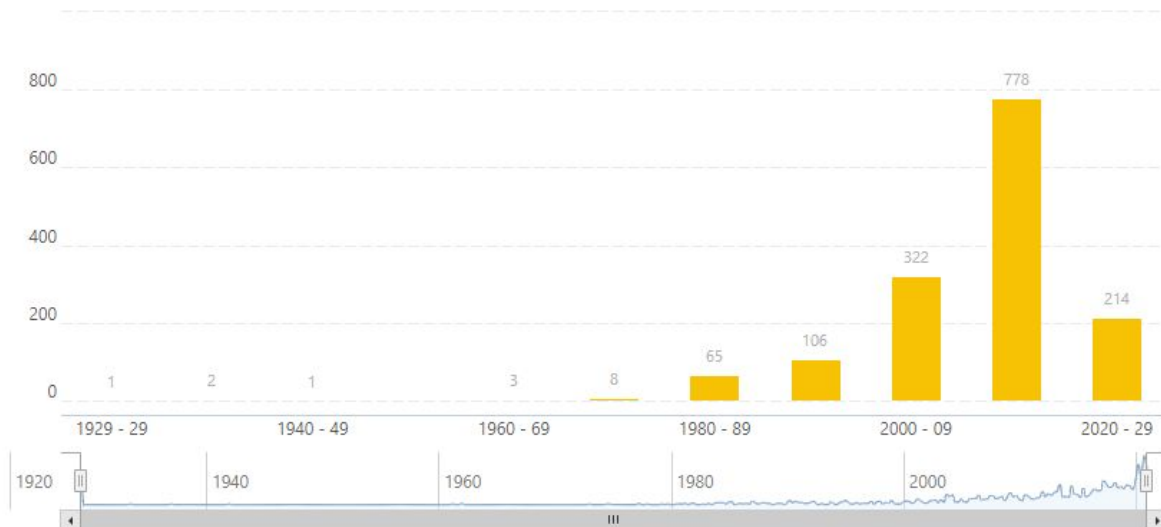
Fuente	Expresión de búsqueda
Innovation IQ Plus - IEEE	“Design of mechanical devices”
Periodo de análisis:1929 – 2020	
Fecha de consulta: 10/12/2020	

Metodología



[1]

Resultados



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Gráfico 1. Patentes por año (Fuente: IQ Plus)

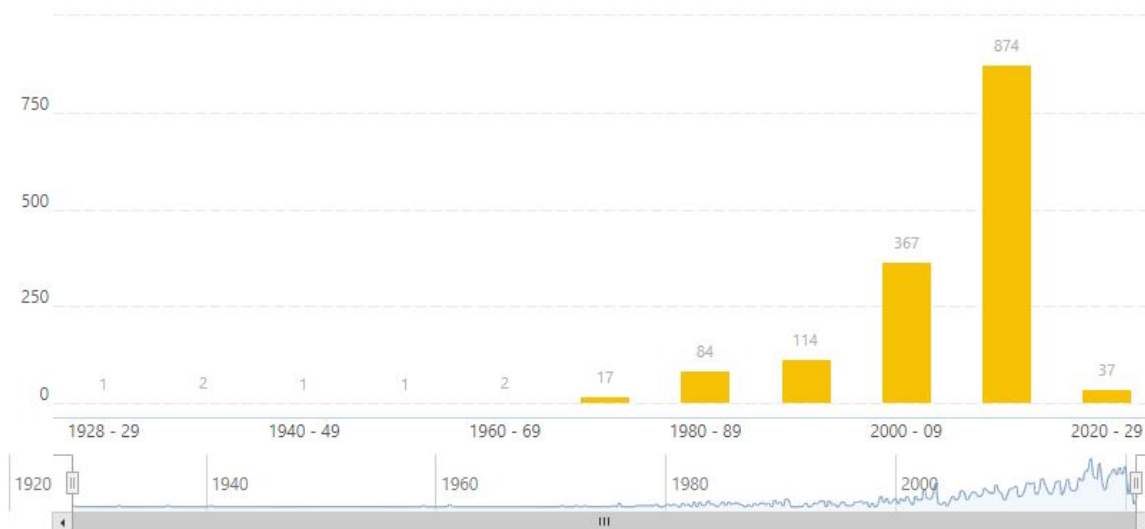


Gráfico 2. Aplicaciones por año (Fuente: IQ Plus)

actuate actuator arranged assembly axis body cable circuit clamp
 component computer connect **connected** connection contact control
 cylinder data **design** direction display drive electrical element **end**
 energy extend fixed force frame frequency front gear generate guide hole
housing information input interface lock machine material means mechanism
 member model module **motor mount** movable move
movement opening output **plate position** power pressure rod
rotate rotation screw sensor shaft side signal slide **spring**
 store support surface switch top unit user vehicle vibration voltage wall

Gráfico 3. Nube de palabras de las palabras con mayor concurrencia en las patentes (Fuente: IQ Plus)

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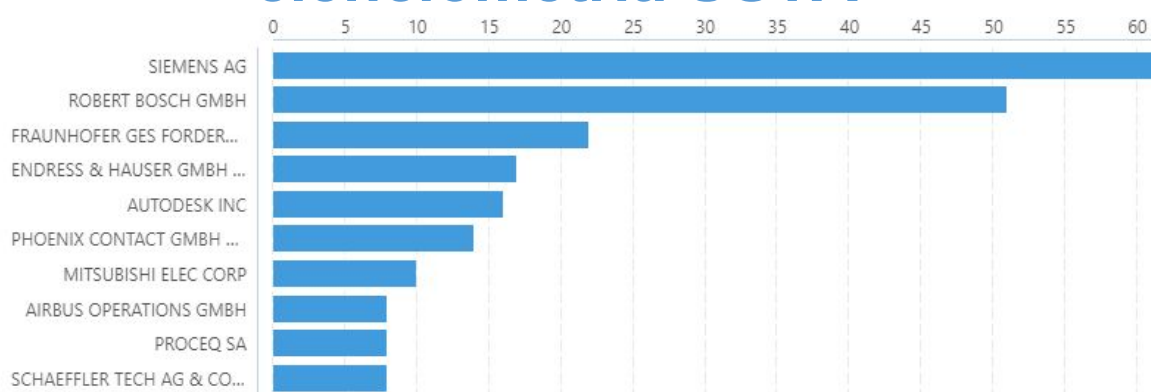


Gráfico 4. Top 10 de los mayores solicitantes (Fuente: IQ Plus)

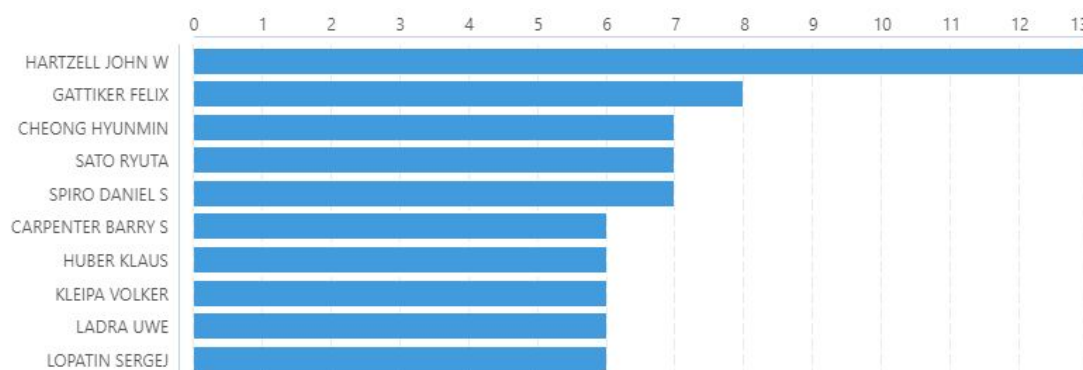


Gráfico 5. Top 10 del primer inventor con más patentes (Fuente: IQ Plus)

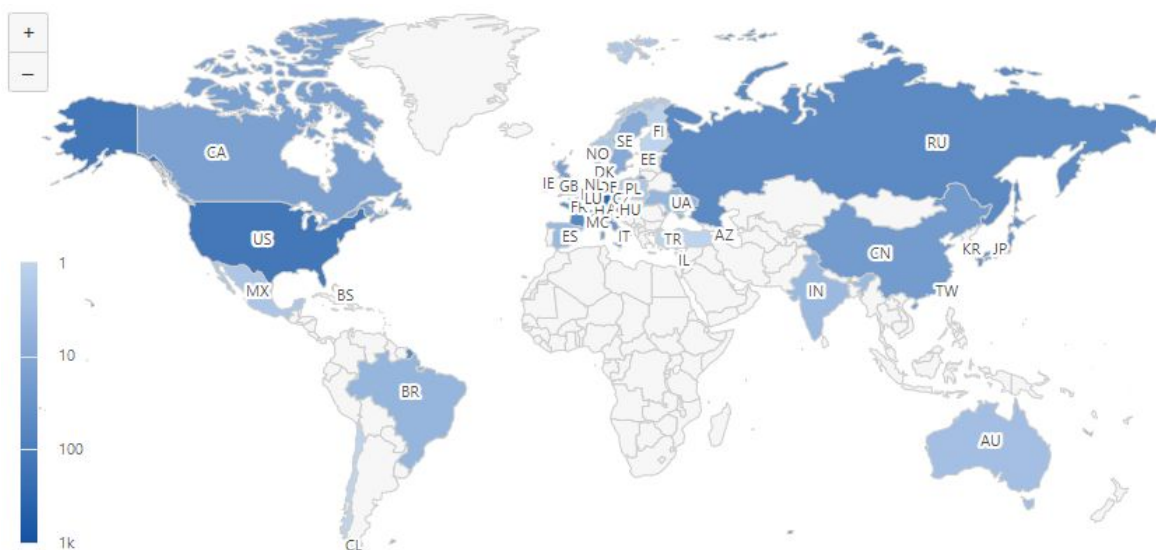


Gráfico 6. Mapa de patentes por el país de origen basado en el inventor (Fuente: IQ Plus)

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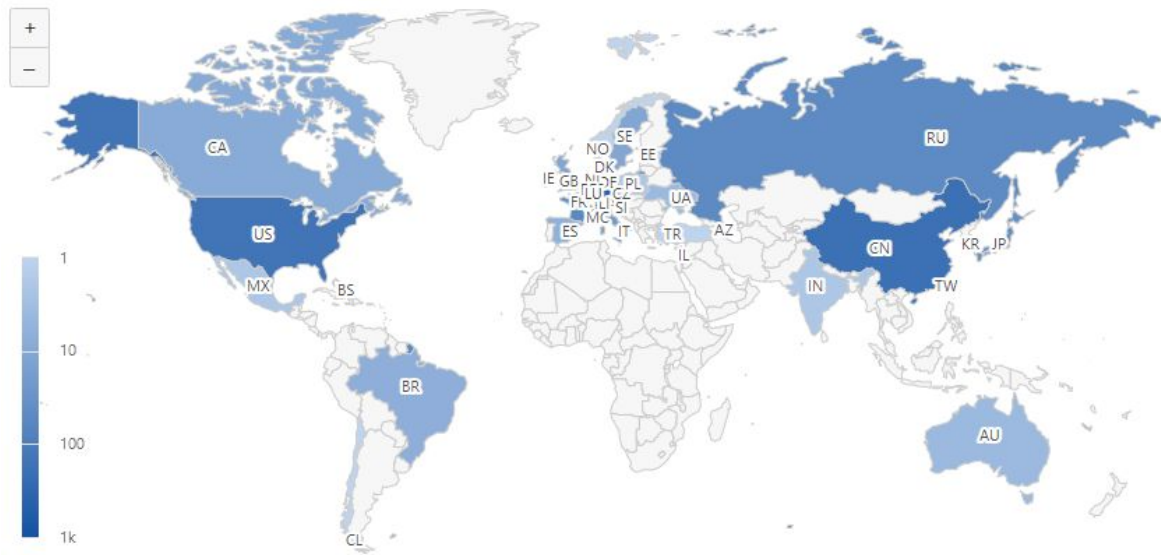


Gráfico 7. Mapa de patentes por el país de origen basado en el primer solicitante (Fuente: IQ Plus)

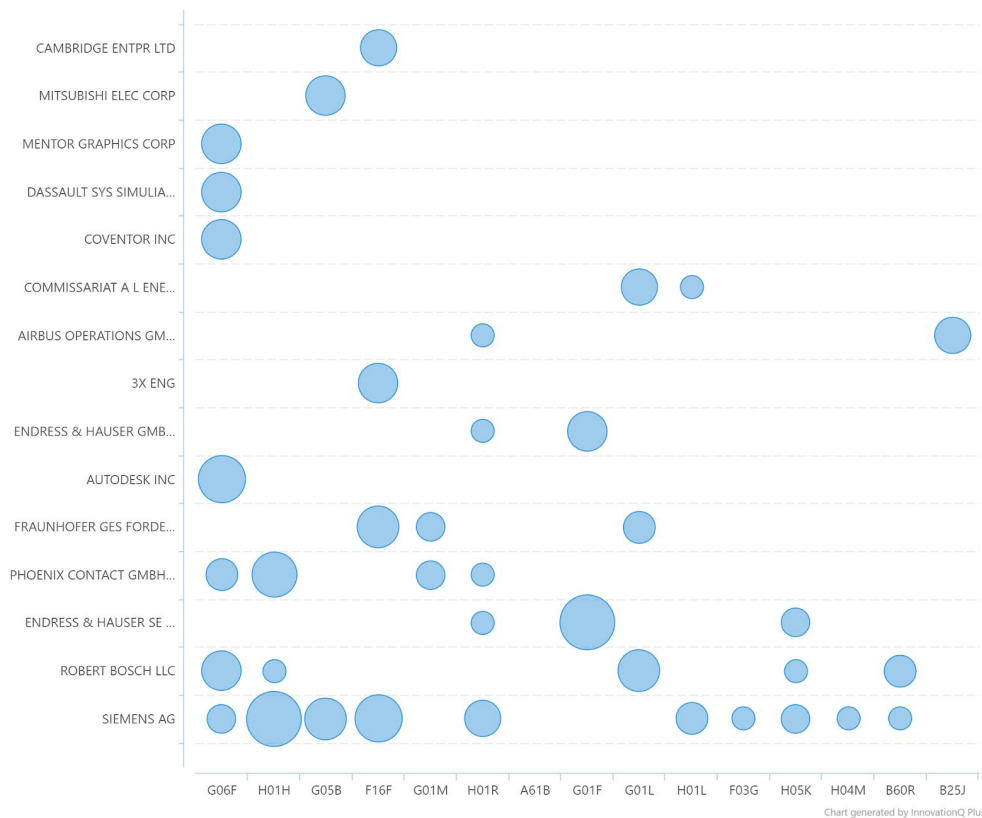


Gráfico 8. Primer cesionario por CPC (Fuente: IQ Plus)

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Tabla 1. Top 10 de las Patentes más recientes

Publication Number	Title	Publication Date	Application Number	Application Date	Earliest Priority Date	Current Assignee First	Ultimate Parent First	Inventor First
EP3731035A1	Design assist device, design assist method, and design assist program	2020-10-28	EP 18891591 A	2018-12-17	2017-12-19	KOBE UNIV NUC	KOBE UNIV NUC	SATO RYUTA
TW201933009A	Design assist device, design assist method, and design assist program	2019-08-16	TW 107145684 A	2018-12-18	2017-12-19	UNIV KOBE NAT UNIV CORP	UNIV KOBE NAT UNIV CORP	SATO RYUTA
CN103707295A	Mechanical hand device	2014-04-09	CN 201310712324 A	2013-12-17	2013-12-17	UNIV TIANJING TECH & EDUCATION	UNIV TIANJING TECH & EDUCATION	WU XINGLI
WO2019124324A1	Design assist device, design assist method, and design assist program	2019-06-27	PCT/JP2018/046419	2018-12-17	2017-12-19	MIKI PULLEY CO LTD	MIKI PULLEY CO LTD	SATO RYUTA
CN111492319A	Design support device, design support method, and design support program	2020-08-04	CN 201880082175 A	2018-12-17	2017-12-19	MIKI PULLEY CO LTD	MIKI PULLEY CO LTD	SATO RYUTA
IN202047029644A	Design assist device, design assist method, and design assist program	2020-10-02	IN 202047029644	2020-07-13	2017-12-19	MIKI PULLEY CO LTD	MIKI PULLEY CO LTD	SATO RYUTA
KR20200097783A	Design support device, design support method, and design support program	2020-08-19	KR 2020-7020337 A	2018-12-17	2017-12-19	MIKI PULLEY CO LTD	MIKI PULLEY CO LTD	SATO RYUTA

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JP6731666B2	Design support device, design support method, and design support program	2020-07-29	JP 2017-242589 A	2017-12-19	2017-12-19	KOBE UNIV NUC	KOBE UNIV NUC	SATO RYUTA
CN110955940A	AHP-based mechanical device design model selection method	2020-04-03	CN 201911186304 A	2019-11-18	2019-11-18	CHINA AGRICULTURAL UNIV	CHINA AGRICULTURAL UNIV	LI HAITAO
JP2001005850A	System and method for verifying designing quality	2001-01-12	JP 1999-176391 A	1999-06-23	1999-06-23	MITSUBISHI ELEC CORP	MITSUBISHI ELEC CORP	NAGAE MASAFUMI

Nota: Fuente: IQ Plus

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