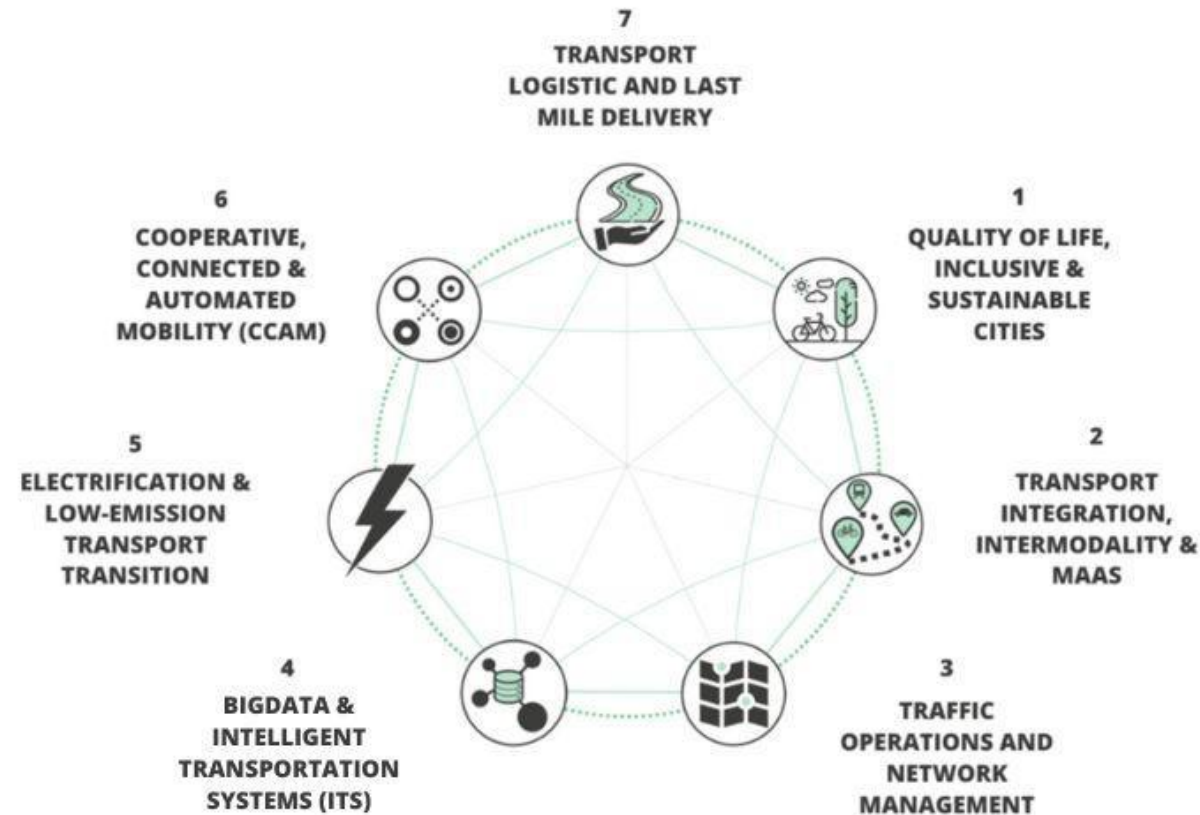


CLASIFICACIÓN PATENTES

Clasificación de las patentes de los miembros del Cluster MoviTUR según las líneas de investigación vigentes.

Última actualización: 10/05/2023 11:26

1. Identificación líneas de investigación



1. QUALITY OF LIFE, INCLUSIVE & SUSTAINABLE CITIES



Cities concentrate the problems of air quality, accidents, noise, pollution, etc. Solutions can only be achieved by combining technological solutions with urban regulation, land use control and information systems to generate urban management systems that ensure the sustainability and quality of urban life.

Cluster members: INSIA, GATV, GIAU+S, GBS2, I2A2

2. TRANSPORT INTEGRATION, INTERMODALITY & MAAS



The shift from personally-owned modes of transportation towards a intermodal mobility provided as a service its transforming very quickly our transport patterns. As we look for the consolidation of this system, we also need to analyze and predict its impacts in our cities and infrastructure.

Cluster members: INSIA, GATV

3. TRAFFIC OPERATIONS AND NETWORK MANAGEMENT



Environmental challenges and limited urban space require the optimization of traffic flows and multimodal management of public transport services. Also, the irruption of new shared mobility services and their integration into existing networks presents important challenges that should be answered from multiple technological, urban planning disciplines and from the point of view of infrastructures.

Cluster members: INSIA, GATV, I2A2

4. BIGDATA & INTELLIGENT TRANSPORTATION SYSTEMS (ITS)



Efficient transport management requires the capture, management and exploitation of vehicle, network and infrastructure, demand, environment, road safety, urban environment and land use databases. Therefore, large transport operators need providers to understand, structure and exploit the information, in order to produce action plans that optimise costs, environment and social integration.

Cluster members: INSIA, GATV, GB2S, I2A2

5. ELECTRIFICATION & LOW-EMISSION TRANSPORT TRANSITION



The global shift towards low-carbon, circular economy has started and its pace is accelerating, increasing the efficiency of the transport system, speeding up the deployment of low-emission alternative energy for transport such as electricity and moving towards low- and zero-emission vehicles. Batteries, energy efficiency and propelling systems are, amongst others, topics we are researching.

Cluster members: INSIA, GB2S, I2A2

6. COOPERATIVE, CONNECTED & AUTOMATED MOBILITY (CCAM)



In the near future, vehicles will interact directly with each other and with the infrastructure, improving safety, traffic efficiency and driving comfort and providing their full integration in the overall transport system. Our aim is not only to develop them, but also to predict and analyze its impacts in our society.

Cluster members: INSIA, GATV, GB2S, I2A2

7. TRANSPORT LOGISTIC AND LAST MILE DELIVERY



The development of new materials, techniques and engineering tools that make it possible to improve the construction, maintenance, management and rehabilitation of infrastructure, remodeling the nature of integrated transport policy, planning, optimization, financing, delivery and management in real time, integrating safety and accessibility.

Cluster members: INSIA, GATV

2. Identificación y de clasificación patentes de moviTUR

YEAR	IDENTIFICATION	PATENT NUMBER	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2018-19	<i>Method and system for masking and selective noise cancellation</i>	<u>ES2663650</u>	Guillermo de Arcas, César Asensio	I2A2	X							
2015-18	<i>Process for the selective reduction of nitrogen oxides</i>	<u>ES2621416</u>	Jose María López, Daniel Resino, Nuria Flores	INSIA	X					X		
2014-17	<i>Insulating panel for enclosing walls with ventilated interior chamber</i>	<u>ES2557200</u>	Alejandro Tamayo, Antonio Rodríguez, Juan Manuel Medina, Eduardo Medina	GIAU+S	X							
2016-16	<i>Method and system for estimating the stresses generated by the tire contact with the road in an instrumented tire</i>	<u>ES2566048</u>	María Dolores Gutiérrez, Javier García de Jalón	INSIA		X	X					X
2013-15	<i>Equipment for automatically controlling the steering of a vehicle</i>	<u>ES2516568</u>	Jose Eugenio Naranjo, Miguel González, Óscar Gómez, Felipe Jiménez	INSIA					X		X	
2011-14	<i>Passive safety system for child strollers in public transport vehicles</i>	<u>ES2403161</u>	Luis Martínez, Enrique Alcalá, Ángel Luis Martín, Beatriz Vallés	INSIA	X	X				X		

YEAR	IDENTIFICATION	PATENT NUMBER	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2012-13	<i>Procedure and system for detecting the activation of the reverse gear in the landing of an aircraft</i>	<u>ES2396667</u>	César Asensio, Mariano Ruiz, Guillermo de Arcas, Manuel Recuero, Juan Manuel López	I2A2	X				X	X		
2012-13	<i>On-vehicle system and asphalt condition sensing method</i>	<u>ES2390302</u>	Juan Manuel López, Jesús Alonso, Mariano Ruiz, Guillermo de Arcas, Ignacio Pavón, César Asensio	I2A2			X				X	
2010-13	<i>Non-intrusive, vehicle-mounted, universal device for real-time measurement of pollutant emissions from engines</i>	<u>ES2398837</u>	Jesús Casanova, Natalia Elizabeth Fonseca	INSIA	X				X	X	X	
2011-12	<i>Pretensioner for child safety seat harnesses</i>	<u>ES2366090</u>	Luis Martínez, Antonio García, Manuel Espantaleón	INSIA							X	
2010-12	<i>Method and system for the reconnection of incoherent fiber optic cables for transmission of images</i>	<u>ES2363679</u>	Jose Manuel Menéndez, Olivier Demuyck	GATV			X	X			X	
2010-12	<i>System for slowing down the transfer rate of a device by cryptographic method</i>	<u>ES2363355</u>	María Del Carmen Sánchez, Vicente Jara	GB2S				X				

YEAR	IDENTIFICATION	PATENT NUMBER	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2010-12	<i>System for the determination of environmental acidity and method thereof</i>	<u>ES2373138</u>	M ^a Ángeles Villegas, Manuel García, Javier Peña, Guillermo de Arcas, Juan Manuel López, Eduardo Barrera, Álvaro Llorente	I2A2	X					X		
2009-12	<i>Method and system for generating a corrected transport stream from original digital television transport</i>	<u>ES2358145</u>	María Belén Ruiz, María Lara García, Mercedes Castro, Carlos Alberto Martín, José Manuel Menéndez, José Manuel Sánchez, David Jiménez, Guillermo Cisneros, Federico Álvarez, Francisco Utray	GATV	X	X	X	X			X	X
2009-11	<i>Device and method for stress detection by physiological signals</i>	<u>ES2361686</u>	María del Carmen Sánchez, Alberto de Santos, Javier Guerra, Carlos Jiménez	GB2S	X						X	
2009-11	<i>System and procedure for real-time detection and identification of noises produced by specific sound sources</i>	<u>ES2334429</u>	César Asensio, Manuel Recuero, Mariano Ruiz	I2A2	X				X			

YEAR	IDENTIFICATION	PATENT NUMBER	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2008-12	<i>Solar energy domestic hot water system using waste energy recovery and high efficiency supplementary energy application</i>	<u>ES2365281</u>	Luis Magdalena, Francisco J. Jiménez, Francisco Javier Neila, César Bedoya, María Estefanía Caamaño, Alfonso García, Miguel Ángel Egido	GB2S	X							
2008-09	<i>System and procedure for the broadcasting of personalized advertising content according to user characteristics and consumption for communication devices</i>	<u>ES2319606</u>	José Manuel Menéndez, Guillermo Cisneros, Federico Álvarez, Iago Fernández-Cedrón, Silvia Alba Uribe, Martín Díaz, Carlos Alberto Martín, David Jiménez, José Luis Núñez	GATV				X				
2005-08	<i>Integrated system for the use, control and regulation of energy in the household</i>	<u>ES2277758</u>	Luis Magdalena, Francisco J. Jiménez, Francisco Javier Neila, César Bedoya, María Estefanía Caamaño, Alfonso García, Miguel Ángel Egido	GB2S	X							
2003-06	<i>Expert controller for autonomous photovoltaic systems</i>	<u>ES2221559</u>	Luis Magdalena, Juan Ramón Velasco, Joaquín Cañada, Sebastián García, Juan de la Casa, Jorge Aguilera	GB2S	X					X		

Fuentes:

- Páginas webs de los miembros
- Observatorio I+D+i UPM
- Portal Científico UPM
- Hub digital de innovación Universidad Politécnica de Madrid