



TERMIC – RADIANT WINDSCREEN WIPER (HEATER)

Project title	Termic – radiant windscreen wiper (heater) for demisting and defrosting of windscreen
Sector	Innovation sector
Location	Banja Luka, Republic of Srpska, Bosnia and Herzegovina
Project background	Windscreen, despite the air conditioning and drying system with nozzles, remained wet some period after opening the door, and the driver must manually clean it. This is a problem that would be solved by installing these types of wipers. So far, this device hasn't been produced and the need for a better solution is particularly pronounced in different climatic areas. Since the market does not contain such a solution, it is expected that invention would be profitable and applicable. Potential buyers of this invention are manufacturers from field of mechanical industry, and industry of transport equipment, agricultural and construction machineries. The innovation was presented on several innovation fairs and at presentation in Paris (Paris Salon of Inventions "ConcoursLépine") it has been awarded with the Medal of the Association of French innovators and factory owners.
Project status	Business plan Potential investors, through any kind of cooperation, could make adjustments in order to meet their business models.
Innovation description	The essence of this invention is accelerated demisting compared to the existing system. Termic – radiant windscreen wiper (heater) is a mechanism which consists of the duct that contains nozzles directed toward the windscreen glass through which hot air passes directed to the glass. Two wings would be located onto the duct of the same length as the duct itself. It would enable more efficient retention of hot air directed toward the glass, decreasing fast dissipation of air. Driven by electromotor from the bottom up, the wiper would distribute hot air across the entire surface of the glass. In that way, fast defrosting and demisting would be achieved, that have been slow so far due to large surface of the glass. In lower position, heating wiper would perform a role of windscreen heater, instead of air



	<p>nozzles that have been applied so far, and it would also be used for heating a cabin of the vehicle. Wiper would move above the windscreen glass a certain distance without touching the glass surface. The same mechanism could be placed on the outside and would be used for defrosting the windshield. In it, the hot air would come only when needed.</p> <p>This invention is a new solution that has not been used. It provides practical, durable and useful device that can be economically produced. It is obvious that experts are able to make some modifications and changes to the exterior design, without leaving the essence and scope of the invention.</p>	
Intellectual property, Patent	<p>Inventor reported this invention to the Institute for Intellectual Property of Bosnia and Herzegovina and has received a patent under the number BAP102764. According to the International Patent Classification (IPC) this patent classified as: B60S 1/54 (Servicing, cleaning, repairing, supporting, lifting or maneuvering of vehicles , using gas, e.g. hot air).</p>	
Estimated total investment cost	<p>Capital required for realization of this business idea depends on the form of cooperation with a potential investors and it would be proposed after completing of financial studies.</p>	
Inputs provided by local partner	Value	Description
	1 500 EUR	Preparation of patent documentation and registration expenses, representing patent at fairs
Inputs required from foreign partner	Value	Description
	10 000 - 15 000 EUR	- Selling the patent - Providing of all information about patent
Form of cooperation with foreign partner	Financial	Technical
	- Joint venture - License - Selling the patent (as an advantage)	- Technical expertise - Marketing expertise
Supporting information available	<p>For additional information about this project, please contact FIPA either by e-mail: fipa@fipa.gov.ba or phone number: +387 33 278 080.</p>	