



Basic Information

Name: Preparation and application of high quality flavor and fragrance and key quality control technology

Address: Technology transfer center of Shanghai university of applied technology (including postal code)

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Project Details

Industry/Field 行业	<input type="checkbox"/> ICT <input type="checkbox"/> Life Science <input type="checkbox"/> New Materials <input type="checkbox"/> Big Data <input type="checkbox"/> Fin-Tech <input type="checkbox"/> AI <input type="checkbox"/> Other <u>New energy vehicle</u>
Brief Description 项目简介	<p>Flavor and fragrance play an important role and have been widely used in many fields, such as food, cosmetics and so on. Development of flavor and fragrance with elegant odor is of great interesting. However, flavor and fragrance are complex mixture of comparatively volatile substances and less durable. Moreover, the sensory perception can be changed as a result of light, heating and oxygen. Microencapsulation technology can be a good solution to these problems. The project demonstrates a new</p>

	<p>preparation technology of high quality flavors and fragrances. A variety of flavor and fragrance microcapsules with different wall materials and core materials were developed. 17 national invention patents have been applied for and many research papers have been published in foreign scientific journals indexed by SCI or EI. The application of the products manufactured in this project in relevant corporations proved that the products have stable quality, long lasting, good performance and industry-leading technological competitiveness. The preparation and quality control technologies have been adopted in several well-known domestic flavor and fragrance enterprises with an annual output of 1,000 tons production scale. The annual economic benefits, nearly 400 million yuan (RMB), can be obtained. Great economic and social benefits were brought.</p>
<p>Country/Region 国家/地区</p>	

Stage of Technology Development 技术发展阶段	<input type="checkbox"/> R&D <input type="checkbox"/> Prototype <input type="checkbox"/> Product in Market *Technology Readiness Level (TRL): _____	
Patent 专利	Type	Number
	<input type="checkbox"/> Invention / Innovation	
	<input type="checkbox"/> Utility Patent	
	<input type="checkbox"/> Design Patent	
	<input type="checkbox"/> Other: <u>The technical secret</u>	
	List of Representative Patents (at least one for each type): 1. 2. 3.	
Scope of Application 应用领域		

Cooperation/Partner Sought

Type of Partnership considered 合作方式	<input type="checkbox"/> Investment <input type="checkbox"/> Collaboration in R&D <input type="checkbox"/> Joint manufacturing <input type="checkbox"/> Product distribution <input type="checkbox"/> Technology transfer <input type="checkbox"/> Joint venture <input type="checkbox"/> Other: <u>Technology transfer, technical consultation and cooperative development</u>
Type of Partners sought 合作伙伴	<input type="checkbox"/> Investor <input type="checkbox"/> R&D institution <input type="checkbox"/> University <input type="checkbox"/> Manufacturer <input type="checkbox"/> Business consultant <input type="checkbox"/> Technology transfer professional <input type="checkbox"/> Enterprise



	<input type="checkbox"/> Other: _____
<p>Target Countries/Regions for International Cooperation 合作国家/地区</p>	

*It is welcomed to submit supplementary documents to support the above information, such as newsletter, company brochure, etc.

