



InTTouch

RESEARCH NEWSLETTER

DIRECTOR'S NOTE



Human inherently tends to explore, research and invent new things to facilitate life. From past to present, inventors have been also inclined to keep their novel ideas confidential. Therefore, it is not surprising that 'Intellectual Property' (IP) and 'Intellectual Property Rights' (IPR) are among the most dramatic and vital aspects of scientific and industrial life.

Today, in conjunction with advancing technologies, patents and IPR are regarded as one of the most distinguished factors behind innovation and creativity that stimulate research, and enhance the quality of science, technology, hence, human life. Obtaining and protecting IPR have been becoming a strategic necessity for science and businesses. There are lots of advantages for inventors and for institutions to obtain patents such as getting exclusive rights and incentives for creativity, strong market and/or scientific position, higher returns on investment, opportunity to license and commercialize.

As Kevin Rivett quoted "Innovation without protection is philanthropy" and as a TTO who believes that new technologies needs proper protection, we will be focusing on patents and IP related topics in this issue of InTTouch. We hope that you find the information and supporting article entitled as "Ingredients of a Patent Application: A Spot of Inspiration from an Existing Art, Adding Some Innovative Approach, and Understanding of Market", informative and enjoyable to read.

The issue also covers Özü TTO's Inventors' Lunch organized on February 17th, 2015 to bring Özü faculty members who have made the highest number of patent applications together; and an interview with Assoc. Prof. Bahar Başım on her IP related experiences. Updates on TÜBİTAK Project Performance Award (PPÖ), events organized or participated by members of Özü TTO Team, and forthcoming events are among the other topics covered in this issue.

We hope you enjoy reading and please get in touch with us when you have an innovative idea/solution that needs protection.

Best regards,
Nilay U. Papila, PhD



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INTELLECTUAL PROPERTY RIGHTS (IPR) BASICS



Intellectual Properties can be protected by various IPR mechanisms in accordance with its eligibility of protection types. Those legal protections are similar in many countries with some slight changes in terms of types, protection periods, and application procedures.

We provide basic information on legal IPR protection types below, which are also applied in Turkey.

| | |
|---|--|
|  <h3>PATENTS</h3> <p>A patent forms an exclusive right granted for a product or process that offers a new technical solution to an existing problem, or that brings a novelty for doing something. To be protected as a patent, the final product should be novel, applied in the industry and met the criteria of inventive step. Protection is granted for a limited period, generally 20 years.</p> |  <h3>COPYRIGHTS</h3> <p>Intellectual properties covered by copyright protection include, but are not limited to: novels, poems, plays, reference works, newspapers, advertisements, computer programs, databases, films, musical compositions, choreography, paintings, drawings, photographs, sculpture, architecture, maps and technical drawings. The term of protection in copyright law is author's life plus 70 years after his/her death. Unlike any other IP rights, copyright protection is not subject to official registration process. The registration of the work serves as a declaration, and an evidence of the creation date. Today, subject to the developments and marketing strategies on software, and other computer programs the understanding of international copyright law, its differences between the patent law, and adaptation from other country applications become very important. Following to the US patent applications for computer programs, European and Turkish regulations could be changed accordingly to comply with the technological developments.</p> |
|  <h3>INDUSTRIAL DESIGN</h3> <p>An industrial design constitutes the ornamental or aesthetic aspect of an article. A design may consist of three-dimensional features, such as the shape or surface of an article, or of two-dimensional features, such as patterns, lines or color.</p> | |
|  <h3>GEOGRAPHICAL INDICATIONS</h3> <p>Geographical indications and appellations of origin are signs used on goods that have a specific geographical origin and possess qualities, a reputation or characteristics that are essentially attributable to that place of origin. Currently, TPI works on recording the traditional and original foods originated in Turkey. Most recently "Kars Kashar Cheese", and "Kilis Katmer Dessert" have been registered as geographical indications.</p> |  <h3>UTILITY MODELS</h3> <p>In Turkey, unlike many countries, Turkish Patent Institute (TPI) also grants a patent without (substantive) examination for a protection of seven years. The requirements for registering a utility model are less strict than for patents. The two of three requirements, which are 'novelty', and 'Industrial application', are always to be met; however 'inventive step' may be absent for utility models. Indeed, utility models are sometimes referred to as 'petty patents'.</p> |
|  <h3>CONTRACTS LAW</h3> <p>In addition to the above IP types; there are also know-how, trade secret, confidential commercial traditions, confidential information and alike knowledge, which bears commercial and technological value and could be protected under the contracts law provisions. Moreover, contracts law is important for licensing IPRs today, and protecting the commercial value of IPRs.</p> |  <h3>TRADEMARKS</h3> <p>Trademark is used for distinguishing the source of the goods or services. In general, any distinguishable sign such as word, a combination of words, letters, and numerals can constitute a trademark. Additionally, drawings, symbols, three-dimensional features such as the shape and packaging of goods can be registered as a trademark.</p> |

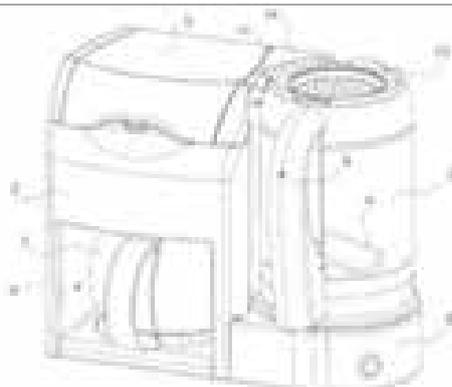
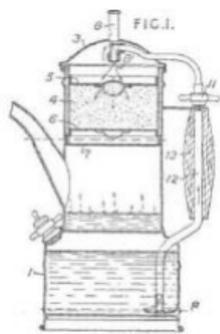
ÖzÜ STRATEGIES ON THE IPRs



- We provide consultancy on the IP law matters for ÖzÜ professors, students, and also other companies. This consultancy could be related to patent searches, IP strategies, trademark issues, copyright related protection information, or any other IP law oriented matters.
- We value the quality of patent applications rather than the quantity of it. In this respect, we meticulously conduct ÖzÜ Intellectual Property Committee meetings for evaluating patent disclosures.
- We try to create awareness of IP protection interest, which is specific to each project type, and explain ÖzÜ project partners that each project type requires different interests for the partners involved. In this connection, we negotiate with the project partners during the preparation of the projects in the name of ÖzÜ, and our academicians to fairly protect our IPRs.
- We organize meetings, seminars, and information days to enhance the IP knowledge at ÖzÜ. We also remind ÖzÜ members on all occasions that ÖzÜ TTO is willing to help to solve, or clarify IP related problems, and queries.



INGREDIENTS OF A PATENT APPLICATION



In 1923, a French inventor found out an inspired teapot idea to brew hot drinks easily. This invention relates to the making of extracts, infusions and the like which is provided with a receptacle to contain water and receptacle to contain the material from which an infusion is to be made. In this technology, there are upper and lower separable parts (such as classical Turkish tea pot), and the water is raised by thermosiphonic action from the lower part by a pipe to treat the material in the upper part. By this way, the teapot simply brews the tea automatically without any need. However, to befit it today's technology, an innovative approach is still needed.

People tend to use smart machines rather than using traditional appliances since they believe that the technology is safer and easier to use. Today, there are lots of new technological teapots, kettles, and coffee makers from various brands. Those are almost the most demanded small house appliances. Of course, there are two major criteria to prefer those appliances: its price and ease of use. The price depends on several factors including brand name, and advertising etc. However, the ease of use is truly based on its engineering marvel.

Currently, a new hot drink brewer is on the shelves. One of the Turkish companies protected its technology by submitting a patent application. In fact this technology is inspired from an old patent from 1923, which is mentioned above. However, this inspiration goes beyond the old art, and creates a groundbreaking innovation.

In this hot beverage preparation machine, there are two containers called as water container and pot, and when the water container is heated, the heated water is pumped into the pipe to rise and reach to the brewing chamber. After the brewing process is completed in the brewing chamber, the beverage is made ready to be served by being transferred into the pot situated under the brewing chamber. This new teapot has also smart infrastructure that coordinates the amount of the material to be brewed. It also allows the users to adjust its taste according to their desires. It seems that, these new features create a great difference than the technology of the starting point.

In fact, this example shows us how the technology could be patentable even if it is seen very practical, or easy to create. Today, most of the people are mistaken by not protecting its patentable technology by thinking that it is not sufficiently a new idea, and supposing that the new technology couldn't come from an inspiration from a current technology. However, if your whole idea is not protected yet by someone, it seems that the idea is patentable if it meets other criteria besides its criteria of novelty.

“Discovery consist of seeing what everybody has seen and thinking what nobody has thought.”

Albert Szent-Gyorgyi

THE FIRST INVENTORS' LUNCH OF ÖZÜ



ÖzÜ TTO organized the First Inventors' Lunch on February 17, 2015 for the academicians who made the highest number of invention disclosures during the last year. The purpose of this organization is to increase the number of inventions, innovative and patentable ideas at university by motivating faculty members and their groups.

The inventors of the year are Assoc. Prof. Dr. Bahar Başım Doğan, Assoc. Prof. Dr. Mehmet Arık, Assoc. Prof. Dr. Göksenin Yaraloğlu, and Assist. Prof. Dr. Özkan Bebek.

The organization started with the Inventors' Lunch at L'Atelier Bleu Restaurant, Özyeğin University. During the lunch, the Inventors found out a chance to talk about their patented technologies in a platform to discuss solutions regarding the problems they have encountered. During the lunch, Hüsnü Özyeğin presented the inventors their plaques awarded as Inventors of the year 2014.

Hüsnü Özyeğin was surprised when Prof. Dr. Esra Gençtürk presented him a plaque for his innovative approach that he brings to the ÖzÜ. Many thanks to Hüsnü Özyeğin, and Prof. Dr. Esra Gençtürk, Prof. Dr. Reha Civanlar, Prof Dr. Tanju Erdem, Turan Sert, and the members of Startup Factory and TTO to make the lunch meaningful, and fruitful. After the lunch, Hüsnü Özyeğin visited the inventor's laboratories as organized. This organization has aimed to meet and congratulate group members, see the prototypes of the patented technologies, explore the new inventions and ideas by the groups, and finally to find out any needs, or demands by the inventors to continue their researches.

At Nano-Prox Lab, Assoc. Prof. Dr. Bahar Başım Doğan showed us the products polished with the groundbreaking CMP technology, and new technologies on fabrics that they have developed.

During our visit to Assoc. Prof. Dr. Mehmet Arık's Evateg Lab, we have found a chance to see the new LED lighting solutions, and cooling fan technologies. An amazing number of students of the Evateg Group mentioned their researches.

At ÖzÜ Robotics Lab, Assist. Prof. Dr. Özkan Bebek demonstrated a robot which carries out a biopsy as well as a robotic hand which owns an artificial intelligence and is able to learn the movements.

Finally, at ÖzÜ Mems Lab, we have monitored the portable ultrasound technology which can be connected to the cellphones with a usb cable developed by Assoc. Prof. Dr. Göksenin Yaraloğlu.

Notably we thank Hüsnü Özyeğin and all the faculty members who attended the organization and congratulations once again awarded academicians for their hard work, inspired ideas, and technological contribution to the ÖzÜ.



INTERVIEW WITH ASSOC. PROF. DR. BAHAR BAŞIM DOĞAN



We talked with Assoc. Prof. Dr. Bahar Başım Doğan, who submits one of the highest number of invention disclosures during the years of 2013 and 2014 at Özyeğin University regarding her IP related experiences.



☞ First, we would like to congratulate you on your plaque as one of the highest number of invention disclosure maker at ÖzÜ! Could you please briefly tell us your patents' specifications that you applied during 2013 and 2014 with ÖzÜ?

Many of my patents were focused on the surface nanostructuring through the use of a novel approach that results in a synergy between the implementation of a novel performance capability while protecting the material content of the surface modified. The applications extend from the heating elements of the household equipment through medical implants and multifunctional glass surfaces.

☞ Which patentable technology do you think has the higher impact scientifically and socially?

I favor the medical and semiconductor applications in which the impact of the implemented technology per unit is considerably higher. Particularly any help to improve the quality of life for people through medical inventions are beyond the scientific value also brings in significant social impact.

☞ As you know ÖzÜ University supports the students to be declared as inventors in patent applications along with their professors if they participate actively on the corresponding research. How do you think about it? Did you encounter different practices during your studies in the United States?

I strongly believe that every person that make a IP application possible has to be listed as an inventor on the patents. Most of my applications would not have been possible without the diligent work of my students. I have seen many different approaches in my professional life in the US. My Masters professor preferred not to list my name on the IP applications from my thesis. That was one of the reasons for me to apply and attend to another university for my PhD.

☞ During the pre-proposal periods of your projects, do you search/ask for a search from the TTO for patentability of the final output of the Project? If so, do you find it beneficial?

I commonly do my own patent search. Having said that, most of the high-end companies I have patents with recommended not to perform a patent search to not to confuse yourself. There is always a way to patent a good idea. If you are well experienced in your field, you typically know the idea is novel and patentable ahead of time.

☞ By the way, what do you think about ÖzÜ Technology Announcement Catalog prepared by the TTO? By courtesy of this interview, we would like to thank you for your significant contribution to our university's technology portfolio.

I enjoy reviewing it to see how much is accomplished. It makes me proud on behalf of the whole ÖzÜ community.

☞ Could you please share with us your experiences regarding the TTO services such as patent application process, project administration and coordination, TTO events etc.?

I must say our TTO personnel are very smart, diligent and patient. They know how to drive us to success with excellent support continuously. I could not have done half of what I have accomplished without them. They are the "wind beneath my wings".

☞ Congratulations and thank you very much for time and precious experiences you share with us.

TTO ACTIVITIES

Events Organized by TTO

- Industry Collaboration Day with SAM Social Research Center on January 19, 2015, Özyeğin University Çekmeköy Campus
- Project Meeting Day with Mode Medikal on January 22, 2015, Özyeğin University Çekmeköy Campus
- Industry Collaboration Day with RDC Partner on January 27, 2015, Özyeğin University Çekmeköy Campus
- Industry Collaboration Day with Enginsoft on January 29, 2015, Özyeğin University Çekmeköy Campus
- Information Day with Arısan Kimya (Arısan Group) on February 02, 2015, Özyeğin University Çekmeköy Campus
- Industry Collaboration Day with İnci Akü on February 09, 2015, Özyeğin University Çekmeköy Campus
- Industry Collaboration Day with TOFAŞ on February 09, 2015, Özyeğin University Çekmeköy Campus
- A Panel of Panelists: An Event for TÜBİTAK 1001 and 3501 Applicants on February 27, 2015, Özyeğin University Çekmeköy Campus

SANTEZ Support Program Applications

The Ministry of Science, Industry and Technology announced that SANTEZ Program applications will resume as of February 2, 2015.

Please contact us if you are planning to submit SANTEZ project.

Proposal Submitted

- ÖzÜ TTO has processed 25 proposals for the following supporting programs since January 2015.**
- 4 proposals for TÜBİTAK Primary Subjects R&D Funding Program (1003)
 - 2 proposals for TÜBİTAK Bilateral Joint Program FCT Portuguese Science and Technology Foundation (2547)
 - 13 proposals for TÜBİTAK Support Program for Scientific and Technological Research Projects (1001)
 - 6 proposals for TÜBİTAK Career Development Program (3501)

Meetings Attended by TTO

- 'Teknopark İstanbul'da TTO'lar Buluşuyor' on January 09, 2015, organized by Teknopark, attended by Nilay Papila, Gizem Asker, Samet Özmen, İstanbul, Turkey
- 'Information Day on New İSTKA Calls' on January 19, 2015, organized by İSTKA, attended by Samet Özmen, İstanbul, Turkey
- 'Financial Reporting Workshop' on February 09, 2015, organized by İSTKA, attended by Selçuk Tuncer, Tunga Yılmaz, İstanbul, Turkey
- 'Technical Assistance and Capacity Building Workshop' on February 12-13, 2015, organized by TÜBİTAK, attended by Nilay Papila, Gizem Asker, Tunga Yılmaz, İstanbul, Turkey



TTO NEWS

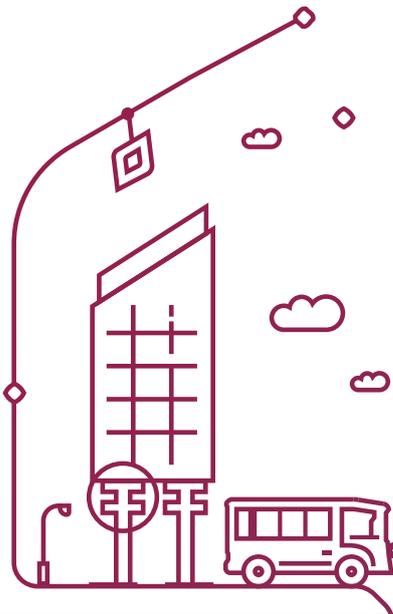
New ÖzÜ Grants

ÖzÜ has been awarded with 4 new TÜBİTAK 1001 Scientific and Technological Research Grants for the following projects;

- "Utilization and Effectiveness of a Cell Separation Technology (LeukoChip) for Easier Radionuclide Labeling of Leukocytes" PI: Assist. Prof. Emre Özkumur
- "Analysis of Pharmaceutical Sector as an Effective Industry and Health Policy Tool" PI: Prof. Dr. Ümit Özlale
- "Gyroscopes Based on Acoustic Waveguides" PI: Assoc. Prof. Göksenin Yaraloğlu
- "Analysis of the Determinants of Declining Home Ownership Rate in Turkey" PI: Assoc. Prof. Işıl Erol

ÖzÜ has won 3 new TÜBİTAK 3501 Career Development Awards for the following projects;

- "Modeling and Analysis of Radio Frequency Energy Harvesting and Transmitting Cognitive Sensor Networks with Markov Chains" PI: Assist. Prof. Ali Özer Ercan
- "Improving Mother-child Attachment Relationship with Circle of Security Parenting (COS-P) Training Program" PI: Assist. Prof. Gizem Arıkan
- "Investigation of the Low Temperature Mechanical Properties of Magnesium Alloys Developed by Thermomechanical Processing" PI: Assist. Prof. Dr. Güven Güney Yapıcı



ÖzÜ TTO Training @ Uludağ Teknopark

Events Organized by TTO

With the cooperation of Uludağ University Technology Transfer Office, we organized two information days held in Ulutek (Uludağ University Technology Development Zone) on 11 February.

The first one was 'SME Instrument Information Day'. It was organized for the research organizations and companies that are willing to participate in Horizon 2020. In the event, the rules of the SME Instrument were shared and underlined the eligibility criteria of the projects.

The second event was called "Information Day on ARDEB Projects". The aim of the event is to increase the awareness of faculty members for ARDEB Projects.

In the closing sections of the events, attendees had an opportunity to find the answers to their questions. We thank to everyone who attended these events.



OTHER NEWS & ANNOUNCEMENTS

TÜBİTAK Project Performance Award: The Award is Redoubled

- Since 2003, TÜBİTAK has been granting the Project Performance Award with the aim of encouraging enhancement, in terms of quality and quantity, in outputs, results and effect of the projects supported by Research Support Programs Directorate (ARDEB). The Award is granted to coordinators and researchers whose projects are defined as overachievement, based on the standards and rated determined by TÜBİTAK.
- In 2015, TÜBİTAK has raised the upper limit of the Award from 100.000TL to 200.000TL. Of this amount, a coordinator can receive 100.000TL at most and a project team can receive the remaining 100.000TL.

UPCOMING EVENTS

EU Info Days

- Info Day on H2020 Societal Challenge 'Secure Societies - Protection of Freedom and Security of Europe and Its Citizens', March 23, 2015, Brussels, Belgium
- Net Futures Conference, Brussels, Belgium, March 25-26, 2015
- EuroNanoForum 2015 Conference, June 10- 12, 2015, Riga, Latvia
- Latvian Presidency Conference: First Innovative Enterprise Week, June, 15- 17, 2015, Riga, Latvia
- Sustainable Energy Week, June 15- 19, 2015, Brussels, Belgium
- ICT 2015 - Innovate, Connect, Transform, October 20- 22, 2015, Lisbon, Portugal

IP Events

- LESI, Licensing Executives Society International Annual Conference April, 10- 15, 2015, Brussels Belgium
- LES 2015 Spring Meeting, May 12- 14, 2015, California, USA
- ASTP PROTON Annual Conference, May 20- 22, Istanbul, Turkey
- AUTM 2015 Central Region Meeting, July 20- 22, California USA
- LES 2015 Annual Meeting, October 25- 28, 2015 New York, USA

Other EU Events

- 4th FLAGSHIP Workshop: 'Economic, social and environmental challenges: modelling policies', March 19, 2015, Brussels, Belgium
- Turkey- Latvia BROKERAGE and MATCHMAKING EVENT, March 26, 2015, Vilnius, Latvia
- The Graphene Week 2015, June 22- 26, 2015, Manchester, UK
- Future and Emerging Technologies (FET) at the Science & Information (SAI) Conference 2015, July 28-10 2015, London, UK
- Aerodays, October 20- 23, 2015, London, UK

Özü Events

- Büyüyen Kobi Programı, April 13, 2015, İstanbul, Turkey
- Expand Your Horizon! Horizon2020 Program Information Day and Project Proposal Development Training, April 1, 2015, İstanbul, Turkey



Please Register for our Horizon2020 Event Now!

Expand Your Horizon! Horizon2020 Program Information Day and Project Proposal Development Training, April 1, 2015, İstanbul, Turkey
(Send registration form to: tunga.yilmaz@ozyegin.edu.tr)



NATIONAL OPEN CALLS FOR PROPOSALS

2015

| | may | | | | june | | | | july | | | | august | | | | september | | | | october | | | | november | | | |
|---|-----|---|----|----|------|---|----|---|------|---|----|---|--------|---|---|---|-----------|---|---|---|---------|---|---|---|----------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| TÜBİTAK 1000 - Support Program For Increasing the R&D Capacity and Potential of Universities | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TÜBİTAK 1001 - Support Program for Scientific and Technological Projects | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| TÜBİTAK 1005 -The Support Program for New National Ideas and Products Research Projects Academic | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| TÜBİTAK 1007 - Development and Production of Monoclonal Antibody Or Bio-like Product Containing Part of Antibody (Second-Stage) | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TÜBİTAK 1007-Development and Production of Biolike Products Containing Recombinant Protein (second stage) | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TÜBİTAK 3501 - Career Development Program Academic | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| TÜBİTAK 2239 - Support for Entrepreneurship and Innovation Training and Research Activities | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | |
| TÜBİTAK 2223-D USA National Health Institute Workshop Call Program | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | |
| TÜBİTAK 2509 - Bosphorus Program with France Ministry of Foreign Affairs | | | | | | | | | | | 30 | | | | | | | | | | | | | | | | | |
| TÜBİTAK 2549 -Poland National R&D Center (NCBR) Bilateral Joint Program | | | | | | | 15 | | | | | | | | | | | | | | | | | | | | | |



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