WIPO/IP/MOW/02/13

ORIGINAL:English
DATE:May2002





# WIPOINTERREGIONALF ORUM ONSMALLANDMEDIUM -SIZEDENTERPRISES(S MES) ANDINTELLECTUALPRO PERTY

organizedby the World Intellectual Property Organization (WIPO)

incooperationwith the Russian Agency for Patents and Trademarks (ROSPATENT)

Moscow, May 22 to 24, 2002

IPSERVICESOFINNOV ATIONCENTERS, TECHN OLOGY LICENSING/MANAGEMENTOFFICESOFUN IVERSITIES, INCUBATO RS, AND SCIENCE/TECHNOLOGYP ARKSTORESEARCHERS, INVENTORS, ENTREPRENEURS, START - UPSANDSME s: EXPERIENCEOFFIN LAND

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Inventions and innovations are in many countries the corner stones of successful competitive products and business reforms. The new ideas may come from the needs of markets from customers, from university research, from development work or "out of the blue".

Veryfewideasarereadyfromt hestart -inventionsmustbedevelopedintomarketable products. During their early life, inventions must be taken care of, just like plantseed lings, to allow the mtogrow and develop. Particularly in the ideation and develop ment phase, several projects should be underway simultaneously, because alloft hem will not be successful. After several phases, many inventions -but by no means all of them -can be converted into finished products that are taken into production and marketed. The development phase requires plenty of creative effort, know -how and financial resources, for which outside expertise is usually needed.

Firstassistanceindevelopinganideaintoaproductforbusinessisoftenreceivedfrom InnovationCenters(orInnovationFoundations orsimilarinnovationsupportorganizations). Start-uporspin offcompaniesbegintheiractivitiesofteninincubators, which often are located in orare part of technology parks. For licensing purposes in many universities there are Technology transfero ffices or similar o -operation organizations.

### **INNOVATIONCENTERS**

Inmanycountries the government has decided to support the development work of inventions. The support includes often in addition to advising and consultancy work also financial support ocoverpart of the development costs of the invention. The organization almodels vary. Often an Innovation Centeror Foundation is established. It may have offices in different parts of the country. Sometimes the work is made in a technology center or liked to a university. It may also be a part of some ministry or other governmental organization. It is also good if private organizations or funding possibilities are linked to the Innovation Center.

ThemaintasksoftheInnovationCenterorFoundationm ayinclude:

- Promotionandcommunicationsofinnovativeactivities.
- Advisingandevaluation of inventions.
- Advisingandassistinginintellectualpropertyrights, mostlypatenting.
- Assistingintheprojectmanagementandproductdevelopment, for instancei nbuilding prototypes.
- Advisinginmarketingandcommercializationoftheinnovativenewproducts.
- Financingpartlyorfullyofthepatenting,productdevelopmentandcommercialization costsofaninyention.

TheworkoftheInnovationCentermayalsoinc lude

- Advisingworkfortheestablishmentofnewenterprises.
- Incubatoractivities for start -upcompanies or co-operation with technology parks.
- Participationorco -operationwithventurecapitalactivities, especially in the early phase seed financing.
- Educational ortraining activities for inventors and entrepreneurs.
- International co-operation and business contacts.

#### STARTINGTHEINNOVAT IONCENTER

Thelegalform, financial resources and the size of the Innovation Centermay vary. The start of an Innovation Centermay be modest, first 2—4 persons and aboard representing the interest groups. The director and the staff should be experienced in patenting and other intellectual property rights as well as product development and marketing. Some legal expertise and office routines are also needed. The office should be equipped with modern information technology including Internet connections to data banks related to patenting and marketing. The possibility to finance invention development costs is recommended, because the nitis possible to get the inventions faster to the market.

Anyway,itisessentialthatitisaconfidentialserviceorganizationwhereinventorsand entrepreneurscangetassistanceinthefieldofinnovationsandthatitisacradleof new businessopportunitiesandsuccessfulinnovations. Anotherimportantprincipleisthatan InnovationCenterneedstimeandpatience- theresultswillcomeslowly.

Innovation Center and the Development of an Invention into a Product

InnovationCen tersassistinventors,innovatorsandentrepreneursinmanyways,when developingtheinventionsfromideatoamarketableproductusing,forexample,thefollowing phasesandmeans:

- Patent,technicalandmarketinginformationrelatedtotheinventionis collectedand thentheinventionisevaluated.
- Theresultsoftheevaluationarereviewed.
- Theinventor/owneroftheinventionsubmitsapatentapplicationtothePatentOffice possiblywiththeassistanceofapatentagent,andtheappropriateinternatio nal patentingisdealtwithingoodtime.
- Aplanforimplementingtheprojectisdrawnup.
- Productdevelopment, further research or a prototype is produced for further evaluation, testing and for the commercialization.
- The characteristics of the invention are tested (acheck is made to see whether it meets, e.g., the quality and safety requirements set for the product) and new prototypes are made if necessary.
- Abusinessplanisdrawnupwiththefocusonthecommercializationoftheinvention (marketsurve ys,marketingmaterialetc.)aswellasonhumanandfinancialresources
- Theinventioncanbemanufacturedandmarketedeitherasthecurrentornew company'sownproductionoralicenseagreementonitscommercializationcanbe concludedwithacompanyin thesector.
- Themarketingandmanufacturingoftheinnovative products tarts by different means to companies or other customers often first domestically and later on internationally.

Itisgoodtorememberthatexploitersandbuyersaregenerallymorei nterestedinthe competitionsituationandcommercialpossibilitiesorsuccessthanintheideaitself.

#### ADVICEANDEVALUATIO NOFINVENTIONS

AnInnovationCentermustpossessconsiderableexpertiseinadvisingonmatters
relatingtotheevaluationandd evelopmentofinventions,theirpatentingandrelatedstrategy
aswellasinmarketing.Asfaraspossiblewithinresources,theCenteralsooffersgeneral
advicebytelephone.ThemostcommonquestionsTheInnovationCenterisaskedare

- Ihaveaninventi on, isitaninvention?
- WhatisapatentandhowdoIgetit?
- Whataretheinventiondevelopmentphasesandcosts?
- HowandfromwherecanIgetfinancing?
- Canyouhelpmeinmarketing?
- Howmuchdolearn, will I become a millionaire?

There are some gener alprinciples to inventors, who think they have made a feasible invention:

- Donotpresentyourinventionpublicly(atfairs,inthemedia,inarticles)beforethe patentapplication. This is very important is sue especially for researchers.
- Assesstheadva ntages, topicality and market -worthiness of the invention: what problem does the invention resolve, how can it be made into a product and who needs it.
- Investigatenoveltyandpatentability.
- Evaluate the technical solution, effectiveness, economicalness, costs and funding and manufacturability compared to competitors on the market.
- Determine the ownership of your invention.
- Approachadvisory, assessment and financing organizations at a suitable stage (the Innovation Center).

Atthisstagealready, theinv entorshouldmake afull check -list and plan for his invention: customers, requirement, technical development stage, novelty and patent situation, funding, manufacture, who would be responsible for directing the project, sales, the potential for an employm ent-related invention, description of productide and presentation material. A business plans hould be made already in an early phase and updated during the development of the project.

Itisagoodtorememberthatfinanciersoftenassesstheinventor' spersonalchancesof turninganideaintoaproductforthemarket. Thewayinwhichtheideaispresentedisalso veryimportant.

Agoodidea,inventionorinnovationandrelatedproductsmayberecognizedin advancebythefollowingearmarks,whichus uallyarethemainevaluationcriteriaofan inventiontobedevelopedandeventuallyfinanced.

- The productism arket driven; it is indemand.
- The productisin ventive, novel, and patentable.
- The productissignificant to the business and to employment.
- The product is functional, capable of being produced and economical.
- Theproducthasasuitableleveloftechnology.

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- Theproductcanbelaunchedquickly.
- Thereispersonalororganizationalcommitmentbehindthedevelopmentprojectandthe product.
- Investorsareinterestedintheventure.

Itisimportanttofindoutthegoodandpromisinginventionsalreadyintheearlyphase and finance their development. Only the good inventions will get more public or private funding or investments later on.

Theeva luation of the market potential is a key factor during the entire product development phase. As the process approaches the commercialization phase, the focus shifts to marketing and commercialization tasks.

The Center can also consultouts ide experts for evaluating invention proposals. The experts are primarily from universities and research institutions, and abide by the confidentiality, which must be principle of the Innovation Center.

### **BENEFITSOFPATENTING**

TheInnovationCenterprovidesexpertassis tancefortheprotectionofinventions, usuallybymeansofpatenting.

Apatent gives the inventor the right to decide the fate of his or her invention. The inventor may manufacture and sell the product himselform a yas sign his rights to some one else.

Thelegalprotectionaffordedtointellectualpropertyhascommercialsignificancetothe ownersincetheownermay; forinstance, precludeothers from taking advantage of the protected intellectual property in their business. Businesses — manufacture rs, merchants, etc. — needto, in fact, establishaname or brandfortheir products so that customers can tell them a part from other products. Likewise, an inventor must secure an exclusive right to his invention, apatent, so that not just anyone can exclusive right to his invention, apatent, so that not just anyone can exclusive right to his invention in his or her business.

In a Finnish research study, business es gave the following reasons as the most important rationales for their patent interest:

- Securing the basis for continued manufacturing operations.
- Utilizing patent publications in product development.
- Pre-emptingcompetitivemarketentry.
- Usingapatentinmarketing.
- Monitoringcompetitors by following patent publications.
- Avoidingpatentinfringementsanddisputes.
- Evaluatingtheleveloftechnologyinanindustry.
- Using patentsasamediumofexchange.
- Licensingagreements.

Componentsofthebenefit -usuallyeconomic -derivedfromimportantpatentsinclude:

- Pre-eminentmarketposition.
- Pre-emptingcompetitiveentries.
- Pricingflexibilitywithnewtechnologies.
- Quick paybackperiodforinvestments.
- International expansion.
- Strategicpatentalliances.
- Patentownershipasanadvantageousnegotiatingtool.
- Breathingspaceaffordedbypatentprotection.
- Favorableimage.

Theprotectionaffordedtotheinventororinventin gorganizationbyapatentisan indisputableadvantage, which does, however, requires ome expenditures. A patent provides a headstart on the competition; even from these crecypoint of view 18 months. Filed patent applications can also be used to intim idate competitors through, for instance, corporate communications. Patents serve as flexible instruments of tradethrough licensing and sublicensing and thereby open opportunities to earn substantial income and to expand internationally. However, in case sofdispute patents must be vigorously defended.

#### **PATENTINFORMATIONSOURCES**

Patentdatabases functionas avast source of information for inventors and businesses that wish to find the latest technology in their field or are trying not to infringe on competitors' patents. Some of the patent information is not free of charge.

Aside from databases available in most Patent of fices, a considerable amount of patent information may be found also on the Internet, for instance

Homepagesoflocalpatentoffi ces
www.wipo.int(WIPO,alsoclassification)
http://ep.espacenet.com,(EPO)
www.uspto.gov,(USPatentoffice)
www.delphion.com (formerIBM,charge)
www.rupto.ru(Russia)
www.jpo.go.jp(Japan)
www.surfIP.gov.sg(IPOSingapore,charge)
www.derwent.co.uk(servicecompany,charge)

Patentinformationisavailableasprintedmaterialandnowadayselectrically, which is very practical. It is possible to make search in many ways for instance by filing or pub lication numbers, applicants, inventors, references, International Patent Classification (IPC), keywords or by combinations of above.

Patentdocumentgivealotofinformationespecially

- Fornoveltyresearchandprotection
- Forinformationandtechnolog yassessment

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Additionally, patent documents give valuable information for instance in:

- Inventions in different countries and fields according to the classification (IPC)
- Bothhistoryoftechnologyandthelatestinventionsineachfields(theapplicatio nis publicafter18monthsoffiling)
- Information of inventors and applicants and also historical data of them.

### Withtheinformation of the patent documents it is also possible

- ToavoidR&Dprojectsforinventionswhichalreadyexist
- Toaddthelevelof technologyindifferentfieldsandcountries
- Tomakenewinventionsasimprovementstoexistingpatents
- Tofindinventionswhichcanbelicensed
- Followpatentingactivities of competitors or other companies
- Tofollowinventionswhichmaybenearorinfr ingeexistingoryourpatents
- Toconsidernewbusinessopportunities

The costs of the use of patent information vary remarkably. The costs depend on time that the researcher uses and the costs of the use of Internet and databanks. Additionally, it may so metimes be advisable to use a consultant or information service if there are no own resources available because of time or the field of research. Also bigs a ving scan be reached by a voiding investments in wrong research or development projects.

### **PRODUCTDEVELOPMENT**

Intheproductdevelopmentphasetheideaorinventionismadeconcretebydesignand bymakingaprototypeandtestingandimprovingit. Theworkisdoneinaprototype workshop, which can be part of the Innovation Center. It produces observation models and develops, builds and tests prototypes. The plans are made confidentially incollaboration with the inventor. The prototypes and their testing can also be commissioned elsewhere, for example, at institutes of technology, universities or private confidential workshops.

### MARKETINGANDCOMMER CIALIZATION

The Innovation Center provides assistance to the inventor in the marketing and licensing of inventions, but the right to exploit an invention belongs to its owner. The most common exploit at ional ternatives include:

- Productionwithincurrentornewenterprise.
- Licensing.
- Partnershiparrangements.
- Acquisitions.

Theinventormaystartacompanytomanufactureandmarkethisorherinvention.If theinventor -entrepreneurexploitstheinven tionhimself,thepatentneednotbeasstrongas whentheinventionislicensedtosomeoneelse.Itisnotalwayswise,however,tobuilda companyaroundoneproduct,andagoodinventorwillnotalwaysmakeagoodentrepreneur.

Networking, on the other hand, often produces good results by providing access to the best available innovation, financing, manufacturing and marketing expertise of individuals or smaller companies. Patents also have value as capital, which may be exchanged for equity in an ewly formed company.

Theindustrialandcommercialimplementationofinventionprojectsispromoted by the various methods of marketing and marketing communication. New products or inventions after a patent application are presented to entrepreneurs by me ansofdirect marketing or at innovation or sector fairs and other business events or via the various media. The Center can also have printed lists of market able inventions or Internet can be used.

The Center can also help the inventor with establishing links and with contractualissues with both domestic and foreign businesses. In the Innovation Center is located near a university, it can also take care of the university's technology transfer activities or coperate with the university in commercializat ion of university inventions.

The customers of the Center can obtain contractual and legal assistance innegotiations aimed at exploiting an invention, for instance by using a license agreement.

Inventionscanbecommercializedbymanydifferentmeans dependingonwhetherthe goalistoenterintoalicensingdealormarketandsellafinishedproduct. These means include:

- Directpersonalandphonecontactwithmanufacturingandmarketingcompanies.
- Licensingnotices and offers through -mail, fax, letters and booklets.
- Demonstrations, such as prototypes, testresults and videos.
- Electronicmarketplacesandnetworks, suchas <u>www.innofin.com</u>(Finland, free) <u>www.yet2.com</u>(Inter national, charge) <u>www.invention-ifia.ch</u>(inventorsassociations) <u>www.lesi.org</u>(LESI) <u>www.tii.org</u>(TII)
- Commercialization projects.
- Marketingandlegalconsultants.
- Tradefairs, exhibitions and matching and partnersearchevents.
- Conferencesandlectures
- Cooperativeresearchprojectsandtechnicalandscientific publications
- Advertising campaigns
- Othermedia,includingradioandtelevisio n.

Inthecaseoflicensing, initial contacts hould lead to negotiations. Thorough preparation is essential. The likelihood of success in these discussions can be increased by assembling the appropriate negotiating team, along with expertad visors, mak in gsure that the negotiations are carried out at the proper organization allevel, and that team members are well informed about the topic and know the background soft heir counterparts. A new and fast growing alternative distribution channel formarket in gandselling finished products can be found in the Internet and electronic commerce.

Smallandmedium -sizedtechnologyenterprisesusuallyhavelimitedresourcesattheir disposalandthereforefocusontheessentialthatisproductionandmarketing. Their corporateandproductdevelopment,therefore,shouldbebasedontheacquisitionofproduct ideas,researchinformationandknow -howthatisasreadyaspossibletobeappliedbythe enterprise.

Anagreementisusuallyreachedwhenallpartiesbene fitfromthedeal.

### FINANCINGOPPORTUNIT IES

The patenting and development of inventions into marketable products may be expensive. That is why it is recommended that an Innovation Center can provide support funding to inventors.

Supportfundingisgener allyusedforpayingthecostsof

- Patenting
- Productdevelopment
- Prototypes
- Commercialization and
- Legalmatters.

The funding may be in a form of grant, support funding, loan or guarantee. In a subsidized risk financing model a conditional refund to the Center depends on the success of the project and on the revenue received from it by the recipient. If the invention fails to be exploited economically, the recipient of the support funding is under no obligation to refund the support money to the Center.

#### **COMMUNICATIONS**

The Innovation Centershould be active in the field of communications and other innovation promotion activities like invention contests and awards. It is essential to have available leaflets and book lets related to patenting and other phas esofthein vention development process. Internet -contacts are important. Information of innovation activities and successful projects are often interesting to different audiences, including students, as well as to press, TV and radio.

### EXPERIENCESOFINNO VATIVEACTIVITIES

Theexperiencesofadvisoryandsupportservicesforinventorsfrommanycountries have been positive: these services include the exploitation of intellectual property rights and the provision of funding for the first stages of the invention process, i.e., the initial evaluation costs, patenting and product development, and further on, promoting the possibilities for commercialization. In many countries these services have been brought close to the customer. The role of the regional network and its function is to screen the ideas with the best potential from the large number of proposals submitted and to assist indeveloping these into significant innovations. Often the innovation activities have increased in all of the three main groups of innovators: in business enterprises, in universities and among private persons.

The positive activities and atmosphere towards in no vations and entrepreneur ship have had many important influences such as

- Childrenandstudentsinuniversitiesaremore interestedinsciencesandmathematics
- Universities and companies are active with their innovation and patenting strategies and policies
- Thegovernmenthasvalidtechnologyandinnovationpolicy
- Innovativecompanies allo catemore human efforts and financia lies our cestores earch and development activities
- Amountsofpatentapplications, newproducts and innovative enterprises have grown
- Manyinnovativecompaniesseemtobemoreprofitablethanothers
- Withsuccessofinnovativecompanies, differentinterest groupsgetprofitorrevenues, liketaxestogovernmentandmunicipalities, dividendstoshareholders, business opportunitiestosubcontractors and service companies, more employmentand good products to customers
- Newtechnologiessupportarenewingsocie ty

#### **TECHNOLOGYPARKS**

TechnologyparksorcentersorScienceparksareorganizations, whereinnovative, modernandoftentechnology -orientedcompaniesarelocated. They are oftennear universities, from where also of ten many new businesside as come. Incu bators are often part of technology centers. In addition to office and workshops pace, technology centers may offermany other activities, which helpespecially new or small technology companies. These activities may include business and office services, educational activities for instance in business development, technology transfer, legal matters, internationalization etc. Technology parks createnew are as of cooperation between companies, universities and other establishments of higher education, fina nciers, municipalities, and state organizations. In technology parks there are often also some units from universities, research centers or R&D units of large corporations.

Technologyparkisalsooftenasuitablelocationforaninnovationsupportorga nization (InnovationCenter). Technologyparksareoftenlimitedliabilitycompanies, where are public and private owners (government, city, university, banks, corporation setc.)

Technologyparkshavenational and international oo operation, for instance International Association of Science Parks (IASP).

### **INCUBATORS**

Thetaskofbusinessincubatorsistoofferofficefacilitiesandtohelpstart -uporspin offcompaniesornewentrepreneursandcompaniestomeettheirbusinessobjectivesfaster andbette rthenbefore.

ThebusinessincubatorsforinstanceinFinlandfollowservicemodel,which successfullycombinesthepromotionofstartingnewcompanies,generatingnewjobs,the diversificationoftheeconomicstructure,theexploitationofhightechno logy,aswellasthe generationofnewservicesforentrepreneursandcompanies.

The common quality work started by the incubators can be expected to develop the operation of the new estincubators and also to improve the services and operations of the older incubators to be stbenefit the entrepreneurs and companies.

The network of business in cubators, with the full range of services for starting and growing companies, is a good example of just the kind of industrial policy that is meant in the Finnish Government Entrepreneurs hip Program.

### TECHNOLOGYTRANSFER OFFICESOFUNIVERSIT IES

Inmanyuniversitiesthereisanorganizationforcommercializationofresearchresults from the university, it can be called Technology Transfer Office or a Licensing of fice. Sometimesitis apart of the university; sometimesitis alimited liability company, where the university or several universities are owners. Of ten also some other organizations like Innovation Center or Technology Center can take care of the selic ensing activities.

The commercialization potential from the university depends on the ownership of the inventions. Generally, an individual ownshis or her invention personally, whereas an enterprise or a corporation owns an invention made by its employer eifitis related to the employer's business.

Theownershipoftheinventionsmadebyuniversityresearchersvariesbycountry. Oftentheuniversityownsthem.Inthesecasesitisusuallyagreed,howcostsandpossible revenuesaredivided.Accordingt oacommonlyusedformulatheprofitsoflicensingare dividedtoequalamountsbetweentheresearcher(inventor)theuniversityandtechnology transferorganization.

The profitability of the Technology Transfer Offices depends on the success of the invention projects. It is said that 10 percent of the projects carry 90 percent of revenues. Although in the world there are many success stories from university research, there are also remarkable amount of inventions without commercial success.

# INVENTIONAC TIVITYINFINLANDANDTHEFOUNDATIONFORFINNISH INVENTIONS

The Republic of Finland, amember of the European Union, lies in the north of Europe. Finland borders Sweden in the west and Russia in the east. Some 5.2 million people live in Finland. Finnish territory covers 338,000 square kilometers and includes 60,000 lakes. The whole country is covered in ablanket of snow in the winter, but summers are warmand beautiful.

Finlandisamodernandprogressivecountrywithgoodsocialservicesandhighly developedandspecializedindustries. Themostsignificantindustries deal with the processing of wood and metals, and, most recently, within formation technology. Finnish high -tech exports grewover the ten -years pan between 1989 and 1998 from 1 billion to 7 billion U.S. dollars. Finland's GNP per capitatotale dEUR 23500 USD in 2000, which was close to the mean for the European Union.

Some 130,000 students attend Finland's 20 universities. Menand women are equally represented. Finnish Government and corporations both invest heavily in research and development —currently acombined to talof 3,4% of Finnish GNP, or near 5 billion U.S. dollars. When measured on the basis of patent applications per capita, Finlandranks among the first in the world with almost 500 annual applications per million residents. Only Japan, Germany and USA have a higher ratio of patent applications to population.

NotableFinnishinnovationsinclude,amongothers,Nokiamobilephonesand communicationsnetworks;RaisioGroup' scholesterol -reducingmargarine,Benecol; Polar-Electro'sPolar -brandheartratemonitor;Vaisalaradiosondes,SSHInternetencryption systemsmarketedbyF -SecureLtd,andmanyotherinnovationsandnewapplicationsrelated topapermachinery,shipbuil dingandenvironmentaltechnologies.Finlandisamongthe worldleadersincellularphonespercapita.

International evaluations of Finnish innovation activities and competitiveness have shown that Finlandranks in these fields among the first one sinth eworld (http://virtual.finland.fi). The Finnish know -how, invention activity, networking and the various programs and funding for advisory services, evaluation, patenting, product development and commercialization of inventions are on a highlevel when compared internationally.

The Foundation for Finnish Inventions is an Innovation Center, which supports and helps private individuals and entrepreneurs to develop and exploit invention proposals both in Finland and internationally. The Foundation is at the forefront in advising, evaluating, financing, developing and marketing invention projects in different areas of technology. It serves as a link between private inventors, innovators, small and medium -size denter prises, universities, research institutes, consumers, businesses and industry in Finland or in other parts of the world, whether it is a matter of setting upproduction, licensing or any other means of exploiting an invention. (www.innofin.com).

Fundingisaimedatsmallercompaniesandprivatein dividualswhoneedhelpwith developmentandcommercializationcosts. Thegeneralrepaymentprincipleisthatthe Foundationreceivesashareoftheincomegeneratedbytheinvention. If the venture fails, the Foundationstandstoloseit's financing. The Foundation for Finnish Inventions gets the bulk of its funds from the Finnish Ministry of Trade and Industry. The Foundation's annual budget is 5 millioneuros. Foundationst aff numbers 25, in addition to whom there are 16 regional innovation managers and 12 innovation managers in majoruniversities stationed in all parts of Finland.

The Foundation receives 16,000 advisory requests and 1000 funding applications each year. Three hundred applications are approved. In addition to funding the project managers give remarkable added value in the patenting and development phases of the inventions. The Foundation supports commercialization of inventions for instance through Invention market in Internet, license offers and legal assistance. One of five finance dpro ject sturns into a market able product, which is either manufactured by the inventor entrepreneur or license dto another manufacturer.

Manygovernmentalandprivateorganizations, like Tekes, provideresearch or product development financing or venture apital to Finnish small and medium -sized technology companies and larger corporations. Inventors' associations are important information exchange and advocacy groups for Finnish inventors.

Finnishinventionactivityisalsopromotedthroughnationaland regional,orindustry specific,competitions,seminars,exhibitionsandawards. Themostimportantoftheseisthe annualInnoFinlandproject,whichculminatesinthepresentationofInnoFinlandAwardsby the President of Finland, currently Mrs. Tarja Hal onen, to successful new innovative companies or inventors.

ThenetworkofFinnishTechnologyparksconsistofabout20Technologyorscience parksaroundFinland.ThelargestareinEspoo(suburbanHelsinki)andinOulu(north Finland).Inmostofthetherearealsoincubatoractivitiesforstart -uporspin -offcompanies (www.tekel.fi).

InFinland,inuniversities,thereareinnovationmanagersinco -operationofthe university,FoundationforFinnishInventions(InnovationCenter)andFinland'sPate ntOffice toencourageinventionsandtheircommercializationfromtheuniversityresearch.

Additionally, there are commercial companies partly owned by universities or governmental organization stoactivate licensing nationally and internationally.

### **CONCLUSIONS**

The potential and capacity of enterprises for innovation does not only depend on technical and financial resources. Innovation requires expert know—how in many are assuch as management, intellectual property rights, the innovation process, produ—ction, marketing and co-operations kills. Networking is often advantageous. Under standing and managing various parts of the processises sential for securing the development of innovation activity. The public sector promotes innovation activity in many way—s, but the responsibility and capacity for success lie with the enterprise itself.

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