



FKITMCMXIX

Sveučilište u Zagrebu
Fakultet kemijskog
inženjerstva i tehnologije



Inovacije, od ideje do realizacije

Marin Kovačić
Zavod za polimerno inženjerstvo i organsku kemijsku tehnologiju

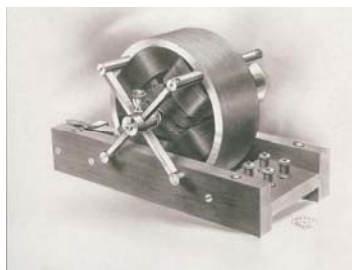
Inovacija ili izum?

INOVACIJA

≠

IZUM

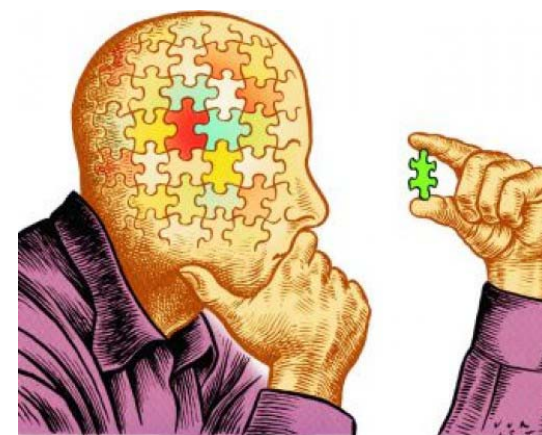
- izumitelj – Tesla



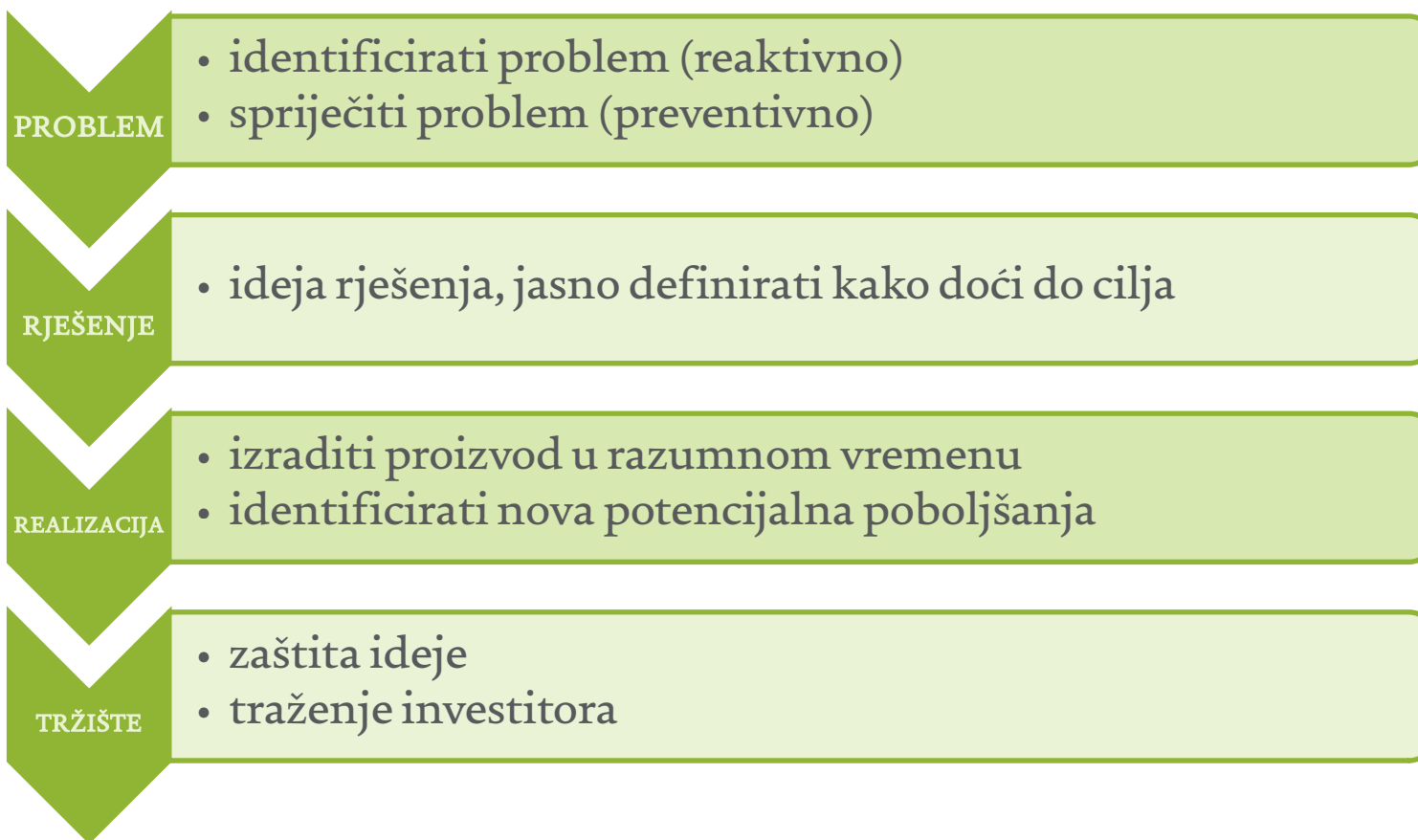
- inovator – Jobs



Poticanje inovativne niti



Inovacijski proces



“Razine” inovatora

Razina inovatora	Mentalni sklop
1. gasitelj	praktičan – “mogu to popraviti.”
2. preventivan	razmišlja unaprijed – “bolje spriječiti nego liječiti.”
3. unaprijeđivač	nezadovoljan trenutnim stanjem – “može i bolje.”
4. stvaratelj nove budućnosti	vizionar – “stanje tehnike za 10 godina?”



Inovativni ciklus





FKITMCMXIX



Je li me netko preduhitrio?

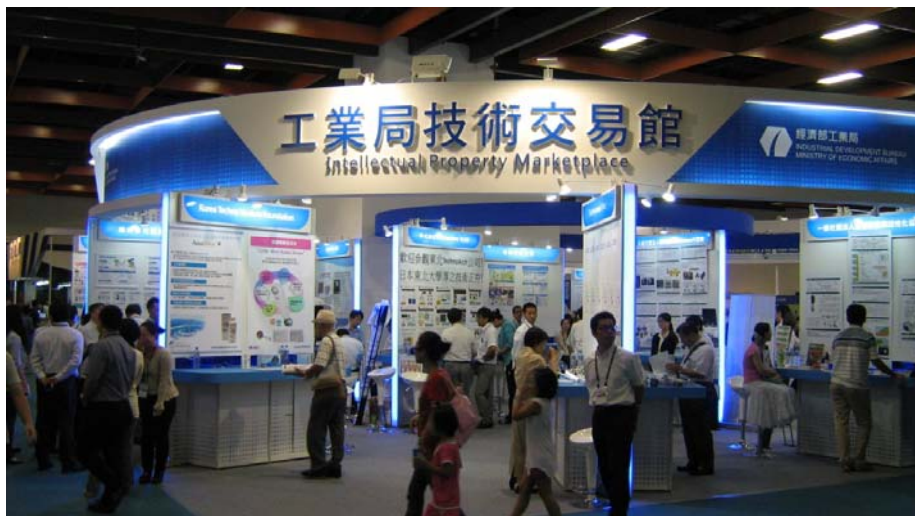


European Patent Office



Symbol	Classification and description	
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	S i
CHEMISTRY		
<input type="checkbox"/> C01	INORGANIC CHEMISTRY (processing powders of inorganic compounds preparatory to the manufacturing of ceramic products C04B 35/00 ; fermentation or enzyme-using processes for the preparation of elements or inorganic compounds except carbon dioxide C12P 3/00 ; obtaining metal compounds from mixtures, e.g. ores, which are intermediate compounds in a metallurgical process for obtaining a free metal C21B , C22B ; production of non-metallic elements or inorganic compounds by electrolysis or electrophoresis C25B)	i
<input type="checkbox"/> C02	TREATMENT OF WATER, WASTE WATER, SEWAGE, OR SLUDGE (settling tanks, filtering, e.g. sand filters or screening devices; B01D)	
<input type="checkbox"/> C03	GLASS; MINERAL OR SLAG WOOL ((organic glasses C08 ; metallic glasses, amorphous metals B22F , C22C))	
<input type="checkbox"/> C04	CEMENTS; CONCRETE; ARTIFICIAL STONE; CERAMICS; REFRACTORIES (alloys based on refractory metals C22C)	i
<input type="checkbox"/> C05	FERTILISERS; MANUFACTURE THEREOF (processes or devices for granulating materials, in general B01J 2/00 ; soil-conditioning or soil-stabilising materials C09K 17/00)	i
<input type="checkbox"/> C06	EXPLOSIVES; MATCHES	
<input type="checkbox"/> C07	ORGANIC CHEMISTRY (such compounds as the oxides, sulfides, or oxysulfides of carbon, cyanogen, phosgene, hydrocyanic acid or salts thereof C01 ; products obtained from layered base-exchange silicates by ion-exchange with organic compounds such as ammonium, phosphonium or sulfonium compounds or by intercalation of organic compounds C01B 33/44 ; macromolecular compounds C08 ; dyes C09 ; fermentation products C12 ; fermentation or enzyme-using processes to synthesise a desired chemical compound or composition or to separate optical isomers from a racemic mixture C12P ; production of organic compounds by electrolysis or electrophoresis C25B 3/00 , C25B 7/00)	i
<input type="checkbox"/> C08	ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP; COMPOSITIONS BASED THEREON (manufacture or treatment of artificial threads, fibres, bristles or ribbons D01)	
<input type="checkbox"/> C09	DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; MISCELLANEOUS COMPOSITIONS; MISCELLANEOUS APPLICATIONS OF MATERIALS	
<input type="checkbox"/> C10	PETROLEUM, GAS OR COKE INDUSTRIES; TECHNICAL GASES CONTAINING CARBON MONOXIDE; FUELS; LUBRICANTS; PEAT	
<input type="checkbox"/> C11	ANIMAL AND VEGETABLE OILS, FATS, FATTY SUBSTANCES AND WAXES; FATTY ACIDS THEREFROM; DETERGENTS; CANDLES (edible oil or fat compositions A23)	
<input type="checkbox"/> C12	BIOCHEMISTRY; BEER; SPIRITS; WINE; VINEGAR; MICROBIOLOGY; ENZYMOLOGY; MUTATION OR GENETIC ENGINEERING	i
<input type="checkbox"/> C13	SUGAR INDUSTRY (polysaccharides, e.g. starch, derivatives thereof C08B ; malt C12C)	i
<input type="checkbox"/> C14	SKIN S; HIDES; PELTS; LEATHER	

Promidžba i komercijalizacija



INST Taipei

IPITEX Bangkok



Promidžba i komercijalizacija

- NDA (engl. *Non Disclosure Agreement*), prvi korak ka komercijalizaciji
- treba (pro)ocijeniti je li više isplativo prodati ideju, patentnu prijavu ili patent
- više načina komercijalizacije: licenca ili prodaja patenta
- udruge inovatora pomažu inovatorima u promidžbi i ostvarenju poslovnih kontakata



- financijska i stručna podrška od strane države i poduzeća

