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FIRST RELEASE



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GODINA/YEAR VI

SARAJEVO, 14.07.2023.

BROJ/NUMBER 1

ZNANOST, TEHNOLOGIJA I INOVACIJE

SCIENCE, TECHNOLOGY AND INNOVATIONS

Patenti, 2022.*

Patents, 2022*

Institutu za intelektualno vlasništvo Bosne i Hercegovine u 2022. godini podneseno je 52 patentna prijava, od čega je 37 prijava domaćih prijavitelja i 15 prijava stranih prijavitelja. U odnosu na prethodnu godinu zabilježen je pad od 14,8%. Od ukupnog broja prijava domaćih prijavitelja 86,5% su prijave fizičkih osoba, a 13,5% pravnih osoba, dok su kod stranih prijavitelja sve prijave pravnih osoba.

U 2022. godini priznato je 7 patenta u nacionalnom postupku, svih 7 su od stranih prijavitelja.

Prema podrijetlu prijavljenih stranih patenata najviše je bilo iz Kine (47%), zatim iz Švicarske (20%).

Prema podrijetlu priznatih stranih patenata najviše je bilo iz Kine (71,4%).

Međunarodna klasifikacija patenata (MKP) omogućuje identifikaciju tehnološke baze patenta i sektor u kojem je njegova primjena najvjerojatnija. Prema klasifikacijskoj oznaci MKP-a, u 2022. godini je najveći udio patentnih prijava u području F-Mašinstvo; rasvjeta; grijanje; naoružanje; miniranje (19,2%) i područje Nepoznato (19,2%)

Prema klasifikacijskoj oznaci MKP-a, u 2022. godini je najveći udio priznatih patenata bio u području C Kemija; metalurgija (42,8%), i područje Nepoznato (28,6%)

Nacionalni registar podataka, na dan 31.12.2022. sadrži 229 patenta u važenju. Validiranih europskih patenata bilo 2 437 na dan 31.12.2022. za koja su izdana rješenja o upisu u registar.

The number of patent applications submitted to the Institute for Intellectual Property of BiH in 2022 amounted 52 out of which 37 were filed by resident and 15 by non-resident applicants. Compared to the previous year, the decrease of 14.8% was recorded. Out of the total number of applications from domestic applicants, 86.5% were applications from natural persons and 13.5% from legal entities, while for non-resident applicants all applications were from legal entities.

In 2022, 7 patents were granted in the national procedure, all 7 are from foreign applicants

By origin of non-resident patent applicants, most were from China (47%) then from Switzerland (20%).

By origin of non-resident patents most granted were from China (71.4%).

The International Patent Classification (IPC) provides the identification of the technology base of the patent as well as the sector in which it will probably be applied. According to the IPC codes, the highest share of patent applications in 2022 were recorded in section F- Mechanical engineering; lighting; heating; weapons; blasting (19.2%) and section unknown (19.2%).

According to the IPC codes, the highest share of patents granted in 2022 were in section C - Chemistry; metallurgy (42.8%) and section E - Fixed constructions; weapons; blasting (28.6%).

In the National Data Registry, as of 31 of December 2022 contains 229 valid patents. In the same period, there were 2 437 validated European patents for which decisions on entry in the register have been issued.

* **Izvor podataka:** Institut za intelektualno vlasništvo Bosne i Hercegovine

* **Data source:** Institute for Intellectual Property of Bosnia and Herzegovina

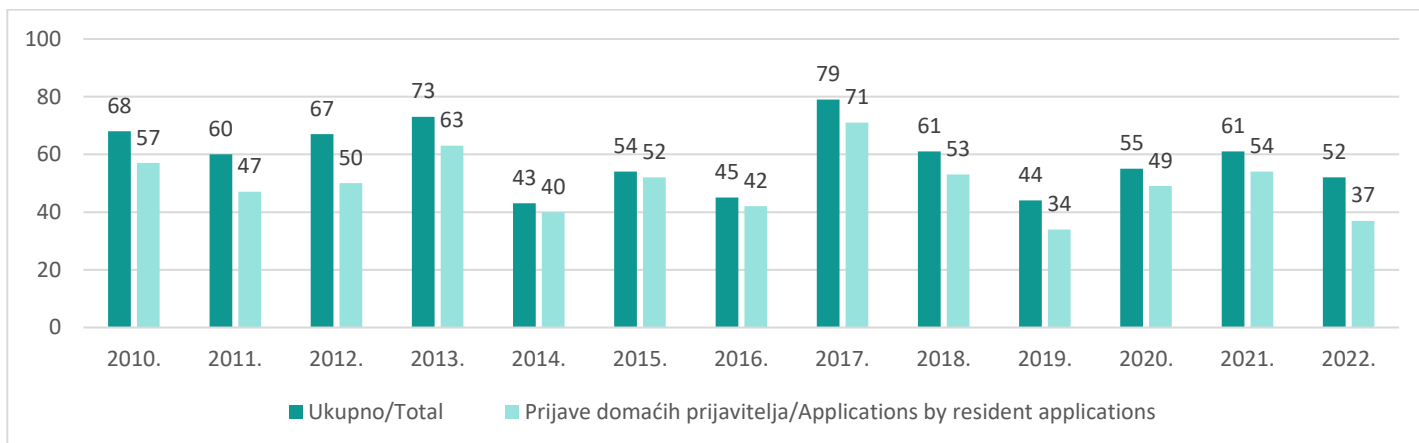
1. PATENTNE PRIJAVE U NACIONALNOM POSTUPKU, 2015.-2022.

PATENT APPLICATIONS IN NATIONAL PROCEDURE, 2015-2022

| | 2015. | 2016. | 2017. | 2018. | 2019. | 2020. | 2021. | 2022. | % promjena/change (2022/2021) | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------------------|---|
| UKUPNO | 54 | 45 | 79 | 61 | 44 | 55 | 61 | 52 | -14,80% ↓ | TOTAL |
| Prijave domaćih prijavitelja | 52 | 42 | 71 | 53 | 34 | 49 | 54 | 37 | -31,5% ↓ | Applications by resident applications |
| Fizičke osobe | 51 | 42 | 70 | 51 | 34 | 45 | 53 | 32 | -39,6% ↓ | Natural persons |
| Pravne osobe | 1 | 0 | 1 | 2 | 0 | 4 | 1 | 5 | 400% ↑ | Legal persons |
| Prijave stranih prijavitelja | 2 | 3 | 8 | 8 | 10 | 6 | 7 | 15 | 114,3% ↑ | Applications by non- resident applicants |
| Fizičke osobe | 1 | 0 | 0 | 2 | 3 | 0 | 0 | 1 | 0% | Natural persons |
| Pravne osobe | 1 | 3 | 8 | 6 | 7 | 6 | 7 | 14 | 100% ↑ | Legal persons |

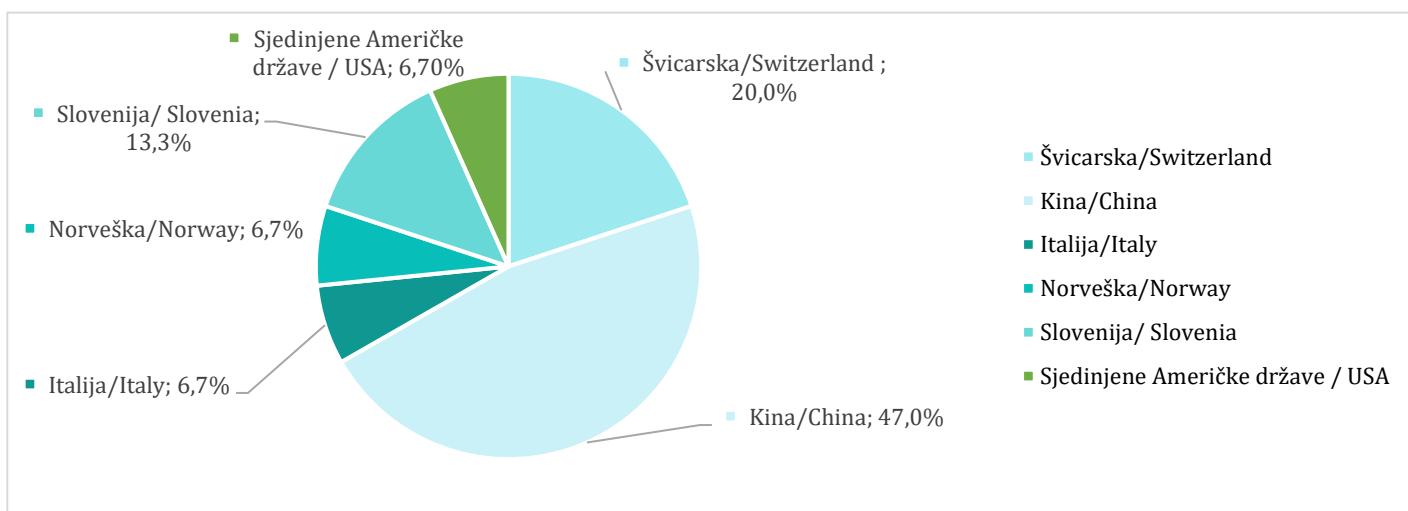
G.1. BROJ PATENTNIH PRIJAVA U NACIONALNOM POSTUPKU, 2010.-2022.

NUMBER OF PATENT APPLICATIONS IN NATIONAL PROCEDURE, 2010-2022



G.2. PODJELA PO ZEMLJI PODRIJETLA NEREZIDENTNIH PATENTNIH PRIJAVA, 2022.

BREAKDOWN BY COUNTRY OF ORIGIN OF NON-RESIDENT PATENT APPLICATIONS, 2022



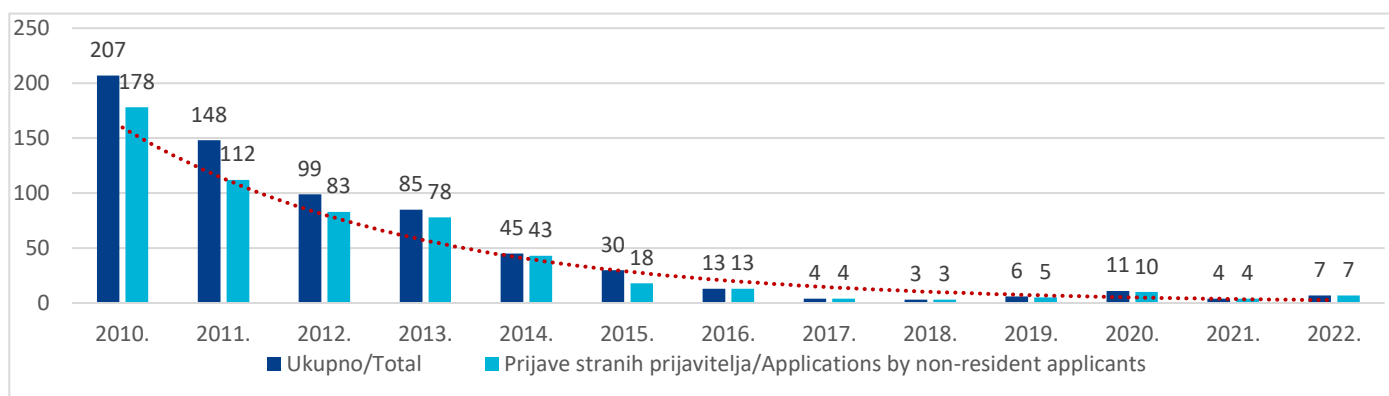
2. PRIZNATI PATENTI U NACIONALNOM POSTUPKU, 2015.-2022.

PATENTS GRANTED IN NATIONAL PROCEDURE, 2015-2022

| | 2015. | 2016. | 2017. | 2018. | 2019. | 2020. | 2021. | 2022. | % promjena/change (2022/2021) | |
|---|-----------|-----------|----------|----------|----------|-----------|----------|----------|-------------------------------------|---|
| UKUPNO | 30 | 13 | 4 | 3 | 6 | 11 | 4 | 7 | 75% | TOTAL |
| Prijave domaćih prijavitelja | 12 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | - | Applications by resident applicants |
| Fizičke osobe | 11 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | - | Natural persons |
| Pravne osobe | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | Legal persons |
| Prijave stranih prijavitelja | 18 | 13 | 4 | 3 | 5 | 10 | 4 | 7 | 75% | Applications by non- resident applicants |
| Fizičke osobe | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | - | Natural persons |
| Pravne osobe | 18 | 11 | 4 | 3 | 5 | 10 | 4 | 7 | 75% | Legal persons |

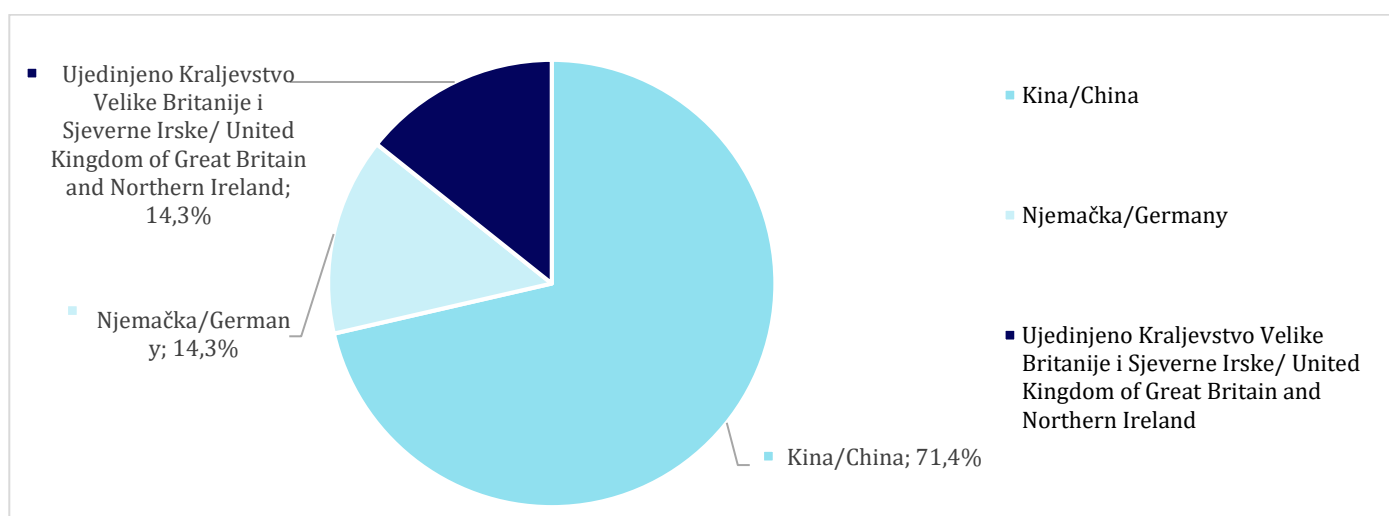
G.3. BROJ PRIZNATIH PATENATA U NACIONALNOM POSTUPKU, 2010.-2022.

NUMBER OF PATENTS GRANTED IN NATIONAL PROCEDURE, 2010-2022



G.4. PODJELA PO ZEMLJI PODRIJETLA NEREZIDENTNIH PRIZNATIH PATENATA, 2022.

BREAKDOWN BY COUNTRY OF ORIGIN OF NON-RESIDENT PATENTS GRANTED, 2022



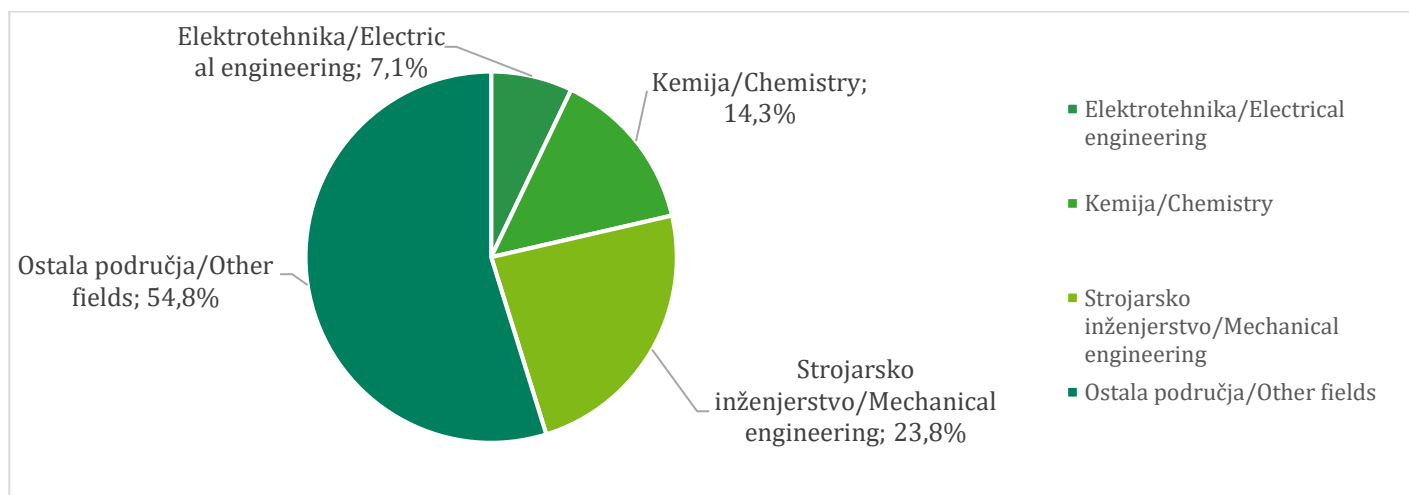
3. PODJELA PATENTNIH PRIJAVA U NACIONALNOM POSTUPKU, 2015.-2022.

CLASSIFICATION OF PATENT APPLICATIONS IN NATIONAL PROCEDURE, 2015-2022

| | 2015. | 2016. | 2017. | 2018. | 2019. | 2020. | 2021. | 2022. | | |
|--|----------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------|---|
| Patenti prema tehničkom području* | | | | | | | | | Patents by technology field* | |
| Elektrotehnika | 0 | 3 | 20 | 18 | 6 | 1 | 0 | 3 | Electrical engineering | |
| Instrumenti | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Instruments | |
| Kemija | 0 | 0 | 37 | 2 | 7 | 3 | 3 | 6 | Chemistry | |
| Mašinsko inženjerstvo | 0 | 25 | 21 | 35 | 16 | 4 | 4 | 10 | Mechanical engineering | |
| Ostala područja | 0 | 31 | 77 | 74 | 64 | 30 | 34 | 23 | Other fields | |
| Patenti prema klasifikacijskoj oznaci MKP-a | | | | | | | | | Patents by IPC code | |
| Svakodnevne životne potreštine | A | 6 | 8 | 24 | 30 | 20 | 16 | 14 | 8 | A Human necessities |
| Proizvodni postupci; Transport | B | 9 | 9 | 18 | 14 | 19 | 5 | 9 | 6 | B Performing operations; transporting |
| Kemija; Metalurgija | C | 3 | 0 | 37 | 2 | 7 | 3 | 6 | 6 | C Chemistry; metallurgy |
| Tekstil; Papir | D | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 1 | D Textiles; paper |
| Građevinarstvo; Rudarstvo | E | 4 | 7 | 19 | 4 | 6 | 4 | 3 | 5 | E Fixed constructions |
| Strojarstvo; Rasvjeta; Grijanje; Naoružanje; Miniranje | F | 5 | 12 | 21 | 35 | 16 | 4 | 7 | 10 | F Mechanical engineering; lighting; heating; weapons |
| Fizika | G | 4 | 1 | 13 | 25 | 4 | 5 | 6 | 3 | G Physics |
| Elektrotehnika | H | 4 | 3 | 10 | 18 | 6 | 1 | 0 | 3 | H Electricity |
| Nepoznato | | 7 | 6 | 20 | 24 | 15 | 17 | 16 | 10 | Unknown |

G.5. UDIO PATENTNIH PRIJAVA U NACIONALNOM POSTUPKU PREMA TEHNIČKOM PODRUČJU, 2022.

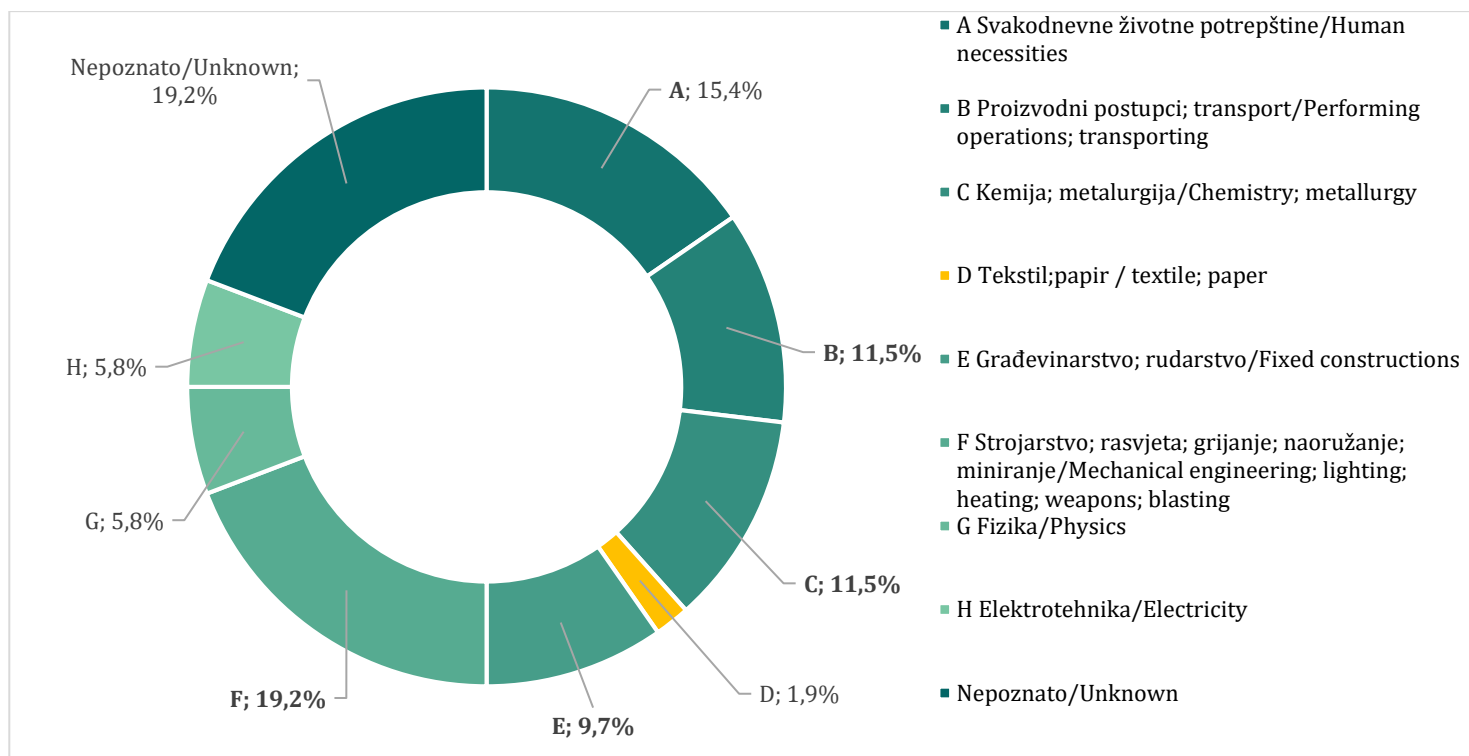
SHARE OF PATENT APPLICATIONS IN NATIONAL PROCEDURE BY TECHNOLOGY FIELD, 2022



* Sukladno tablicom podudaranja MKP i tehnologije Svjetske organizacije za intelektualno vlasništvo, broj patenata prema tehničkom području može biti veći od ukupnog broja patenata zbog toga što jednom patentu može biti dodijeljeno više klasifikacijskih oznaka MKP-a.

* In accordance with the WIPO International Patent Classification concordance table. The sum of patents by fields of technology may be higher than the total number of patents because more than one IPC code may be assigned to a single patent.

G.6. UDIO PATENTNIH PRIJAVA U NACIONALNOM POSTUPKU PREMA KLASIFIKACIJSKOJ OZNACI MKP-a, 2022.
SHARE OF PATENT APPLICATIONS IN NATIONAL PROCEDURE BY IPC CODE, 2022

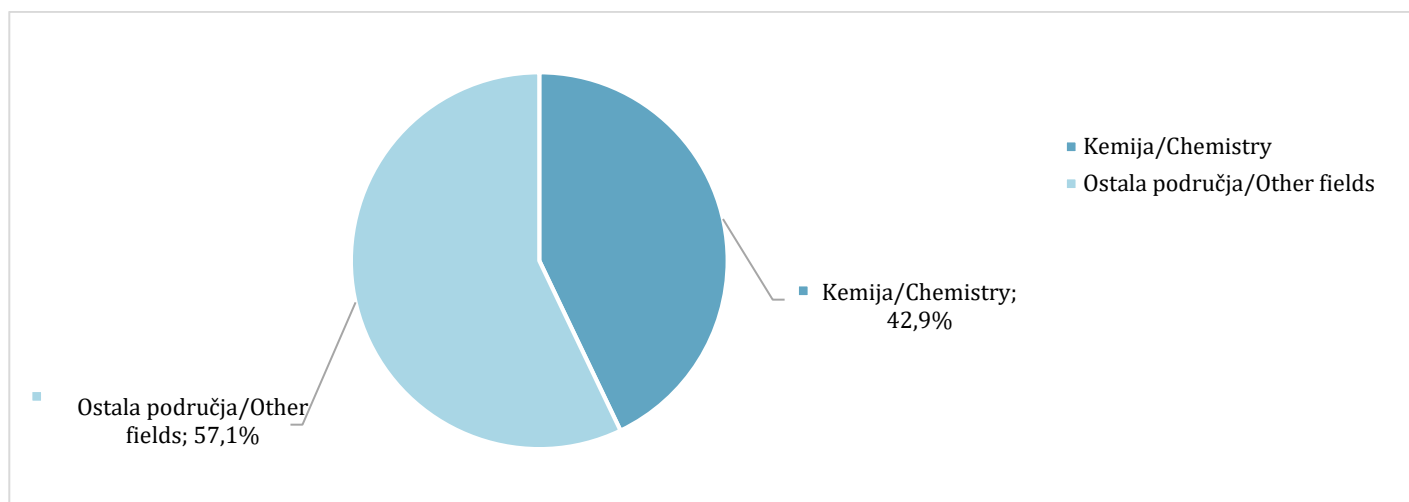


4. PODJELA PRIZNATIH PATENATA U NACIONALNOM POSTUPKU, 2015.-2022.
CLASSIFICATION OF PATENTS GRANTED IN NATIONAL PROCEDURE, 2015-2022

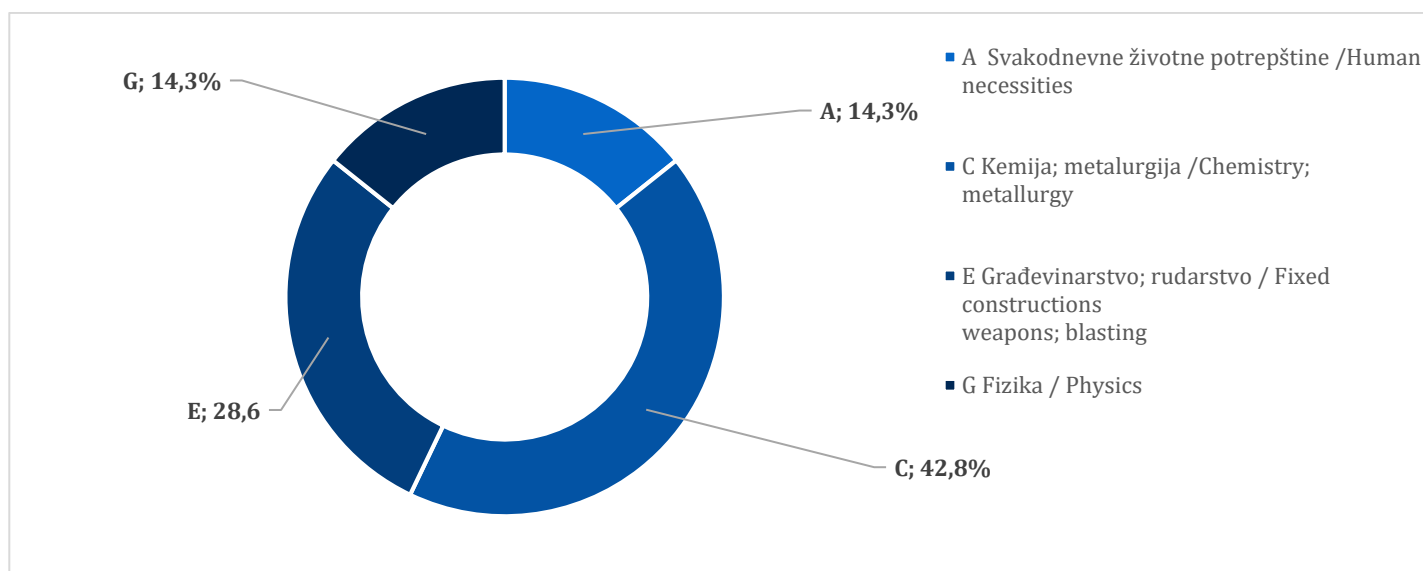
| | 2015. | 2016. | 2017. | 2018. | 2019. | 2020. | 2021. | 2022. | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Patenti prema tehničkom području* | | | | | | | | | Patents by technology field* |
| Elektrotehnika | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | <i>Electrical engineering</i> |
| Instrumenti | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Instruments</i> |
| Kemija | 0 | 8 | 0 | 2 | 10 | 4 | 0 | 3 | <i>Chemistry</i> |
| Mašinsko inženjerstvo | 0 | 4 | 0 | 0 | 8 | 4 | 3 | 0 | <i>Mechanical engineering</i> |
| Ostala područja | 0 | 2 | 4 | 4 | 11 | 1 | 1 | 4 | <i>Other fields</i> |
| Patenti prema klasifikacijskoj oznaci MKP-a | | | | | | | | | Patents by IPC code |
| Svakodnevne životne potrepštine A | 18 | 5 | 2 | 1 | 9 | 0 | 1 | 1 | A <i>Human necessities</i> |
| Proizvodni postupci; Transport B | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | B <i>Performing operations; transporting</i> |
| Kemija; Metalurgija C | 3 | 4 | 0 | 0 | 10 | 4 | 0 | 3 | C <i>Chemistry; metallurgy</i> |
| Tekstil; Papir D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | D <i>Textiles; paper</i> |
| Građevinarstvo; Rudarstvo E | 5 | 1 | 2 | 0 | 0 | 1 | 0 | 2 | E <i>Fixed constructions</i> |
| Strojarstvo; Rasvjeta; Grijanje; Naoružanje; Miniranje F | 1 | 1 | 0 | 0 | 8 | 4 | 3 | 0 | F <i>Mechanical engineering; lighting; heating; weapons; blasting</i> |
| Fizika G | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | G <i>Physics</i> |
| Elektrotehnika H | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | H <i>Electricity</i> |

* Sukladno tablicom podudaranja MKP i tehnologije Svjetske organizacije za intelektualno vlasništvo, broj патената према техничком području може бити већи од укупног броја патената због тога што једном патенту може бити додijелјено више класификацијских ознака MKP-a.
 * In accordance with the WIPO International Patent Classification concordance table. The sum of patents by fields of technology may be higher than the total number of patents because more than one IPC code may be assigned to a single patent.

G.7. UDIO PRIZNATIH PATENATA U NACIONALNOM POSTUPKU PREMA TEHNIČKOM PODRUČJU, 2022.
 SHARE OF PATENTS GRANTED IN NATIONAL PROCEDURE BY TECHNOLOGY FIELD, 2022



G.8. UDIO PRIZNATIH PATENATA U NACIONALNOM POSTUPKU PREMA KLASIFIKACIJSKOJ OZNACI MKP-a, 2022.
 SHARE OF PATENTS GRANTED IN NATIONAL PROCEDURE BY IPC CODE, 2022



5. STANJE PREDMETA PATENATA U NACIONALNOM REGISTRU, na dan 31.12.2022.
 STATUS OF PATENTS INTO NATIONAL REGISTER, 31 of December 2022

| Stanje predmeta | Broj predmeta Numbers of patents | Status of patents |
|--|-------------------------------------|--|
| Arhivirani (odbacivanje, obustavljanje, isteklo važenje patenta) | 3 376 | Archived (rejection, suspension, expiration of the patent) |
| Predmeti u važenju | 229 | Patents in force |
| UKUPNO | 3 605 | TOTAL |

6. STANJE PREDMETA VALIDIRANIH EUROPSKIH PATENATA, na dan 31.12.2022.
 STATUS OF VALIDATED EUROPEAN PATENTS INTO NATIONAL BASIS, 31 of December 2022

| Stanje predmeta | Broj predmeta Numbers of patents | Status of patents |
|------------------------------------|-------------------------------------|---------------------------------|
| Predmeti u fazi prijave | 11 | The application stage |
| Izdato rješenje o upisu u registar | 2 437 | Issued decision on registration |
| Arhivirani | 1 674 | Archived |
| UKUPNO | 4 122 | TOTAL |

METODOLOŠKA OBJAŠNENJA

Izvor podataka

Agencija za statistiku BiH preuzima podatke od Instituta za intelektualno vlasništvo BiH prema definiranim tablicama i obrađuje podatke prema međunarodnoj metodologiji „Priručnik za statistiku patenata“.

Obuhvat i svrha istraživanja

Statistika patenata pruža informaciju o uspješnosti istraživanja, razvoja i inovacijske aktivnosti u odabranim područjima tehnologije.

Metodologija za provođenje istraživanja je međunarodno prihvaćeni standard koji je postavio OECD i objavio u Priručniku za statistiku patenata.

Na temelju Međunarodne klasifikacije patenata (MKP) moguće je klasificirati patentne prijave i priznate patente u odabrana tehnička područja. Klasifikacija je podijeljena na osam tehničkih područja (označenih slovima A do H), podijeljenih u potpodručja koja se dalje dijele u razrede odnosno podrazrede. Statistika patenata pruža informaciju o uspješnosti istraživanja, razvoja i inovacijske aktivnosti u odabranim područjima tehnologije. Broj patenata je jedan od pokazatelja mjerenja inovativne aktivnosti zemlje.

Definicije

Definicije područja statistike patenata temelje se na međunarodnoj metodologiji – Priručniku za statistiku patenata (OECD Patent Statistics Manual, 2009. Izdavač: Pariz, 2009.).

Patent je isključivo pravo priznato za izum koji nudi novo rješenje nekoga tehničkog problema. Patent se priznaje za izume koji se odnose na proizvod, postupak ili primjenu. Patent osigurava vlasniku isključivo pravo na izradu, korištenje, stavljanje u promet ili prodaju izuma zaštićena patentom, tijekom ograničenog perioda koje ne može trajati dulje od 20 godina od datuma podnošenja prijave patenta. Po isteku tog vremena patent postaje javno dobro, svakom dostupno na uporabu.

Patentom se ne štiti ideja, nego konkretno rješenje nekoga tehničkog problema. Važni uslovi koje neki izum mora zadovoljiti za priznanje patenta su novost u odnosu na postojeće stanje tehnike, inventivnost i industrijska primjenjivost.

Patent se ostvaruje prema teritorijalnom principu, tj. vrijedi samo na teritoriji one države u kojoj je priznat. Patent se stiče priznanjem ovlaštenog tijela na temelju ispitivanja prijave patenta koja opisuje izum. Ovlašteno tijelo u Bosni i Hercegovini je Institut za intelektualno vlasništvo Bosne i Hercegovine.

NOTES ON METHODOLOGY

Data Sources

The Agency for Statistics of BiH takes over the data from the Institute for Intellectual Property of BiH according to the defined tables and processes the data according to the international methodology "Manual for Patent Statistics".

Coverage and objectives of research

The patent statistics provide information on the success of the survey, development and innovation activity in selected fields of technology.

The methodology for conducting the survey is an internationally accepted standard set by the OECD and published in the Patent Statistics Manual, 2009.

The International Patent Classification (IPC) enables the classification of patent applications and granted patents into the selected fields of technology. The Classification comprises eight fields of technology (marked with letters A to H), broken down into subfields further divided into classes and subclasses. The patent statistics provide information on the success of the survey, development and innovation activity in selected fields of technology. The number of patents is one of the measures of the inventive activity of a country.

Definitions

The definitions covering the patent statistics area are based on the international methodology – the OECD Patent Statistics Manual 2009, issued by OECD, Paris, 2009.

A patent is an exclusive right granted for an invention that offers a new technical solution to a problem. It is granted for inventions related to a product, procedure or application. The patent provides the exclusive right to the owner to make, use, distribute or sell the invention protected by the patent during a limited, generally 20 years from the filing date of the application. On expiration of this time, the patent is made a public good, available for public use.

The patent does not protect an abstract concept but an actual technical solution to a problem. The basic conditions for every invention that have to be fulfilled for granting of the patent are that it is new, that it involves an inventive step and that it is eligible for industrial application.

Patents are territorial rights, which means that they are valid only in the territory of a country where they were granted. Patents are granted by an authorized body, based on the examination of the patent application that describes the invention. The authorized body in BiH is the Institute for Intellectual Property of Bosnia and Herzegovina.

Patentne prijave za potrebe ovog priopćenja broje se u godini u kojoj su podnesene Institutu za intelektualno vlasništvo Bosne i Hercegovine, dok se priznati patenti broje u godini u kojoj ih je priznao Institut za intelektualno vlasništvo Bosne i Hercegovine.

Konsenzualni patent je poseban oblik patentne zaštite u BiH. Njegovo osnovno obilježje je da se priznaje bez potpunog ispitivanja, tj. na temelju sporazuma (konsenzusa) javnosti, ako protiv njega nema prigovora zainteresiranih strana.

Kratice

OECD Organizacija za ekonomsku suradnju i razvoj

MKP Međunarodna klasifikacija patenta

The patent applications are for the purpose of this First Release counted in a year when they were submitted to the Institute for Intellectual Property of Bosnia and Herzegovina, while the granted applications are counted in a year when they were granted by Institute for Intellectual Property of Bosnia and Herzegovina.

***Consensual patent** is a special form of the patent protection in BiH. Its basic feature is to be recognized without full examination, i.e. based on an agreement (consensus) of the public, if there are no objections from interested parties.*

Abbreviations

OECD Organisation for Economic Co-operation and Development

IPC International Patent Classification

Publikuje Agencija za statistiku Bosne i Hercegovine, 71000 Sarajevo, Zelenih beretki 26
Published by the Agency for Statistics of the Bosnia and Herzegovina, 71000 Sarajevo, Zelenih beretki 26

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