附件4

**C1 Commodity group index**

Status: 24.04.2023 · Changes and errors excepted.

nternational

Trade Fair

»ldeas- lnventions-

New products

sa 28 - Mo 30 october 2023

Exhibition center

Nuremberg , Germany

**Please find below the iENA’s subject areas for your information. As soon as we’ve received your registration, we’ll send you a separate document. Here you can then assign your invention(s) to the respective category.**

**Nomenclature**

The nomenclature is aligned to the International Patent Classification (IPC).

**A. Human necessities**

**Agriculture**

A01 Agriculture; Forestry; Animal husbandry; Hunting;

Trapping; Fishing

**Foodstuffs, tobacco**

A21 Baking; Equipment for making or processing doughs

A22 Butchering; Meat treatment; Processing poultry or fish

A23 Foods or foodstuffs; their treatment

A24 Tobacco; Cigars; Cigarettes; Smokers’ requisites

**Personal or domestic articles**

A41 Wearing Apparel

A42 Headwear

A43 Footwear

A44 Haberdashery; Jewellery

A45 Hand or Travelling Articles

A46 Brushware

A47 Furniture; Domestic articles or appliances;

Coffee Mills, Spice Mills; Suction cleaners

**Health, life-saving, amusement**

A61 Medical or veterinary science; Hygiene

A62 Life-saving; Fire-fighting

A63 Sports; Games; Amusements

**B. Performing operations, transporting**

**Separating, mixing**

B01 Physical or chemical processes or apparatus

B02 Crushing, pulverising, or disintegrating; Preparatory treatment of grain for milling

B03 Separation of solid materials using liquids or using pneumatic tables or jigs

B04 Centrifugal apparatus or machines for carrying-out physical or chemical processes

B05 Spraying or atomising; Applying liquids or other fluent materials to surfaces

B06 Generating of transmitting mechanical vibrations B07 Separating solids from solids; Sorting

B08 Cleaning

B09 Disposal of solid waste; Reclamation

of contaminated soil

**Shaping**

B21 Mechanical metal-working without essentially remov- ing material; punching metal

B22 Casting; Powder metallurgy

B23 Machine tools; metal-working

B24 Grinding¬; Polishing

B25 Hand tools; portable power-driven tools; handles for hand implements; Workshop equipment;

Manipulators

B26 Hand cutting tools; cutting; severing

B27 Working or preserving wood or similar material; Nailing or stapling machines

B28 Working cement, clay or stone

B29 Working of plastics; working of substances in a plas- tic state

B30 Presses

B31 Making articles of paper, cardboard

B32 Layered products

B33 Additive manufacturing technology

**Printing**

B41 Printing; Lining machines; Typewriters; Stamps

B42 Bookbinding; Albums; Files; Special printed matter B43 Writing or drawing implements; Bureau accessories B44 Decorative arts

**Transporting**

B60 Vehicles in general

B61 Railways

B62 Land vehicles for travelling otherwise than on rails

B63 Ships or other waterborne vessels; Related equipment

B64 Aircraft; Aviation; Cosmonautics

B65 Conveying; Packing; Storing; Handling thin or filamentary material

B66 Hoisting; Lifting; Hauling

B67 Opening or closing bottles, jars or similar

containers; Liquid handling

B68 Saddlery; Upholstery

**Microstructural technology, Nanotechnology**

B81 Microstructural technology

B82 Nanotechnology

**Continued**

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**C1**

**Commodity group index**

(Continued)







**Sa 28 - Mo 30 October 2023**









**C. Chemistry, metallurgy**

**Chemistry**

C01 Inorganic chemistry

C02 Treatment of water, waste water, sewage, or sludge C03 Glass; Mineral or slag wool

C04 Cements; Concrete; Artificial stone; Ceramics;

Refractories

C05 Fertilisers; Manufacture thereof

C07 Organic chemistry

C08 Organic macromolecular compounds;

their preparation or chemical working-up;

Compositions based thereon

C09 Dyes; Paints; Polishes; Natural resins; Adhesives; Compositions; Applications of materials

C10 Petroleum, gas or coke industries; Technical gases containing carbon monoxide; Fuels; Lubricants; Peat

C11 Animal or vegetable oils, fats, fatty substances or waxes; Fatty acids therefrom; Detergents; Candles

C12 Biochemistry; Beer; Spirits; Wine; Vinegar;

Microbiology; Enzymology

C13 Sugar industry

C14 Skins; Hides; Pelts; Leather

**Metallurgy**

C21 Metallurgy of iron

C22 Metallurgy; Ferrous or non-ferrous alloys; Treatment of alloys or non-ferrous metals

C23 Coating metallic material; Coating material with metallic material; Chemical surface treatment

C25 Electrolytic or electrophoretic processes; Apparatus therefor

C30 Crystal growth

**Combinatorial technology**

C40 Combinatorial Technology

**D. Textiles, paper**

**Textiles or flexible materials**

D01 Natural or man-made threads or fibres; Spinning D02 Yarns; Mechanical finishing of yarns or ropes;

Warping or beaming

D03 Weaving

D04 Braiding; Lace-making; Knitting; Trimmings; Non- woven fabrics

D05 Sewing; Embroidering; Tufting

D06 Treatment of textiles or the like; Laundering; Flexible materials

D07 Ropes; Cables other than electric

**Paper**

D21 Paper-making; Production of cellulose

**E. Fixed constructions**

**Building**

E01 Construction of roads, railways, or bridges

E02 Hydraulic engineering; Foundations; Soil-shifting E03 Water supply; Sewerage

E04 Building

E05 Locks; Keys; Window or door fittings; Safes

E06 Doors, windows, shutters, or roller blinds; Ladders

**Earth or rock drilling, mining**

E21 Earth or rock drilling; Mining

**F. Mechanical engineering, lighting, heating, weapons, blasting**

**Engines or pumps**

F01Machines or engines; Engine plants; Steam engines

F02 Combustion engines; Hot-gas or combustion- product engine plants

F03 Machines or engines for liquids; Wind, spring, or weight motors; Producing mechanical power or a reactive propulsive thrust

F04 Positive-displacement machines for liquids or elastic fluids

**Engineering in general**

F15 Fluid-pressure actuators; Hydraulics or pneumatics F16 Engineering elements or units; Thermal insulation F17 Storing or distributing gases or liquids

**Lighting, heating**

F21 Lighting

F22 Steam generation

F23 Combustion apparatus; Combustion processes

F24 Heating; Ranges; Ventilating

F25 Refrigeration or cooling; Combined heating and refrigeration systems

F26 Drying

F27 Furnaces; Kilns; Ovens; Retorts

F28 Heat exchange

**G. Physics**

**Instruments**

G01 Measuring; Testing

G02 Optics

G03 Photography; Cinematography; Electrography,

Holography

G04 Horology

G05 Controlling; Regulating

G06 Computing; Calculating; Counting

G07 Checking-devices

G08 Signalling

G09 Educating; Cryptography; Display; Advertising; Seals

G10 Musical instruments; Acoustics

G11 Information storage

G12 Instrument details

G16 Information and communication technology

**Nucleonics**

G21 Nuclear physics; Nuclear engineering

**H. Electricity**

H01 Basic electric elements

H02 Generation, conversion, or distribution of electric

power

H03 Basic electronic circuitry

H04 Electric communication technique

H05 Electric techniques

**I. Services**

**J. Computer engineering**

**K. Teaching and research, pedagogical items L. Promotion and promotion items**

**M. Other inventions and new practical products**

**N. Start-up consultancy**

**O. Financing**

中文翻译仅供参考

**A.必需品**

**农业**

A01农业、林业、畜牧业、狩猎；

捕集、捕鱼

**食品、烟草**

A21烘焙；制作或加工面团的设备

A22屠宰；肉类处理；加工家禽或鱼类

A23食品或食品；他们的治疗

A24烟草、雪茄、香烟；吸烟者的必要条件

**个人或居家物品**

A41服装

A42头饰

A43鞋类

44年的服装；珠宝

A45只手或旅行的物品

A46 Brushware

A47件家具；生活用品或家用电器；

咖啡厂、香料厂；吸痰清洁剂

**健康，医疗，娱乐**

A61医学或兽医学；卫生学

A62型救生设施；消防设施

A63项体育运动、游戏、娱乐活动

**B.执行操作、运输**

**分离、混合**

B01物理或化学工艺或仪器

B02粉碎、磨碎或崩解；磨削颗粒的预备处理

B03使用液体或使用气动工作台或夹具分离固体材料

B04用于进行物理或化学过程的离心装置或机器

B05喷涂或雾化；在表面应用液体或其他流畅材料

B06产生发射机械振动B07固体分离.分类

B08清洁

B09固体废物的处置；回收

污染土壤

**制造**

B21机械金属加工，无需基本去除材料；冲孔金属

B22铸造.粉末冶金

B23机床；金属加工

B24研磨；抛光

B25手工具；便携式电动工具；手工具把手；车间设备；

操纵器

B26手动切割工具.切割.切断

B27加工或保存木材或类似材料；钉钉机

B28工作水泥、粘土或石头

B29塑料的加工；在塑料状态下的物质的加工

B30压力

B31制作纸制品、硬纸板

B32分层产品

B33增材制造技术

**打印**

B41印刷、衬里机、打字机、邮票

B42装订、相册、文件、特殊印刷品B43书写或制图工具、局附件B44装饰艺术

**运输**

B60车辆一般

B61铁路

B62非在轨道上行驶的地面车辆

B63船舶或其他水上船舶；相关设备

B64飞机；航空飞机；宇航员

B65输送、包装、储存、处理薄的或丝状材料

B66吊装、吊装、运输

B67打开或关闭瓶子、罐子或类似物

容器.液体处理

B68马鞍；室内装潢

**微观结构技术，纳米技术**

B81微观结构技术

B82纳米技术

**C. 化学、冶金**

**化学**

C01无机化学

C02水、废水、污水或污泥的处理C03玻璃；矿物或矿渣羊毛

C04水泥、混凝土、人造石材、陶瓷；

耐火材料

C05化肥的制造

C07有机化学

C08有机大分子化合物；

他们的制备或化学检查；

基于此的成分

C09染料、涂料、抛光剂、天然树脂、粘合剂、组合物、材料的应用

C10石油、天然气或焦炭工业.含一氧化碳的技术性气体.燃料.润滑油.泥炭

C11动植物油、脂肪、脂肪物质或蜡；由此产生的脂肪酸、洗涤剂、蜡烛

C12生物化学、啤酒、烈酒、葡萄酒、醋；

微生物学；酶学

C13糖业

C14皮肤、毛发、皮毛、皮革

**冶金学**

C21铁的冶金

C22冶金.黑色或有色合金.合金或有色金属的处理

C23涂层金属材料.含有金属材料的涂层材料.化学表面处理

C25电解或电泳过程.其装置

C30晶体生长

**组合技术**

C40组合技术

**D. 纺织品、纸张**

**纺织品或柔性材料**

D01天然或人造纱线或纤维；纺丝D02纱线、纱线或绳索的机械精加工；

翘曲或铰链

D03编织

D04编织、花边制作、编织、装饰物、无纺布

D05缝纫、刺绣、簇绒

D06纺织品或类似物的处理；洗钱；挠性材料

D07缆绳；除电力以外的电缆

**纸**

D21造纸；纤维素的生产

**E. 固定结构**

**建筑物**

E01公路、铁路或桥梁的建设

E02水利工程.基础.移土工程E03供水.排水工程

E04建筑

E05锁、钥匙、窗户或门配件、保险箱

E06门、窗、百叶窗或辊百叶窗；梯子

**土方或岩石钻探、采矿**

E21土或岩钻探；开采

**F.机械工程，照明，加热，武器，爆破**

**发动机或泵**

F01机器或发动机.发动机工厂.蒸汽机

F02内燃机.热燃气或可燃产品发动机装置

F03液体用机器或发动机.风力、弹簧或重量电机；产生机械动力或无功推进推力

F04液体或弹性流体的正位移机

**工程一般**

F15液压执行机构.液压或气动装置F16工程元件或装置.保温材料F17储存或分配气体或液体

**照明、加热**

F21照明

F22蒸汽发生

F23燃烧装置.燃烧过程

F24加热范围、通风

F25制冷或冷却；结合加热和制冷系统

F26干燥

F27炉、窑、炉、炉

F28换热

**G. 物理学**

**仪器**

G01测量、测试

G02光学

G03摄影。电影摄影；电学、

全息术

G04激素学

G05控制；调节

G06计算计算计算

G07检查设备

G08信号

G09教育、密码学、展示、广告、印章

G10乐器；声学

G11信息存储

G12仪器详细信息

G16、信息与通信技术

**核电子学**

G21核物理学；核工程

**H.电力**

H01基本电气元件

H02电力的产生、转换或分配

权力

H03基本电子电路

H04电气通信技术

H05电气技术

**I.服务**

**J.计算机工程学**

**K.教学与研究，教学项目L。促销和促销项目**

**M.其他发明和新的实用产品**

**N.创业咨询公司**

**O.融资**