



CAS STN^{next}[®] COFFEE LECTURE 

Unitary Patent trends

Paul Peters, ACS International / CAS

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American Chemical Society

Information about Unitary patents

Granted European Patents with Unitary Effect

Appear in patent family tables in CAplus, WPIndex, Inpadoc and EPFULL indicated with the EP C0 patent kind code

Legal events around the Unitary Patent are available in Inpadoc

Unified Patent Court opt-out decisions are also in Inpadoc

Current 17 Unitary member states consist of AT, BE, BG, DE, DK, EE, FR, FI, IT, LT, LV, LU, MT, NL, PT, SE, SI with future possible addition of CY, CZ, GR, HU, IE, RO, SK

Countries that chose to stay out of the Unitary system are ES, HR, PL

Non-EU EPO member states cannot be included: AL, CH, GB, LI, MC, ME, MK, NO, RS, SM, TR

Example of an EP with Unitary effect

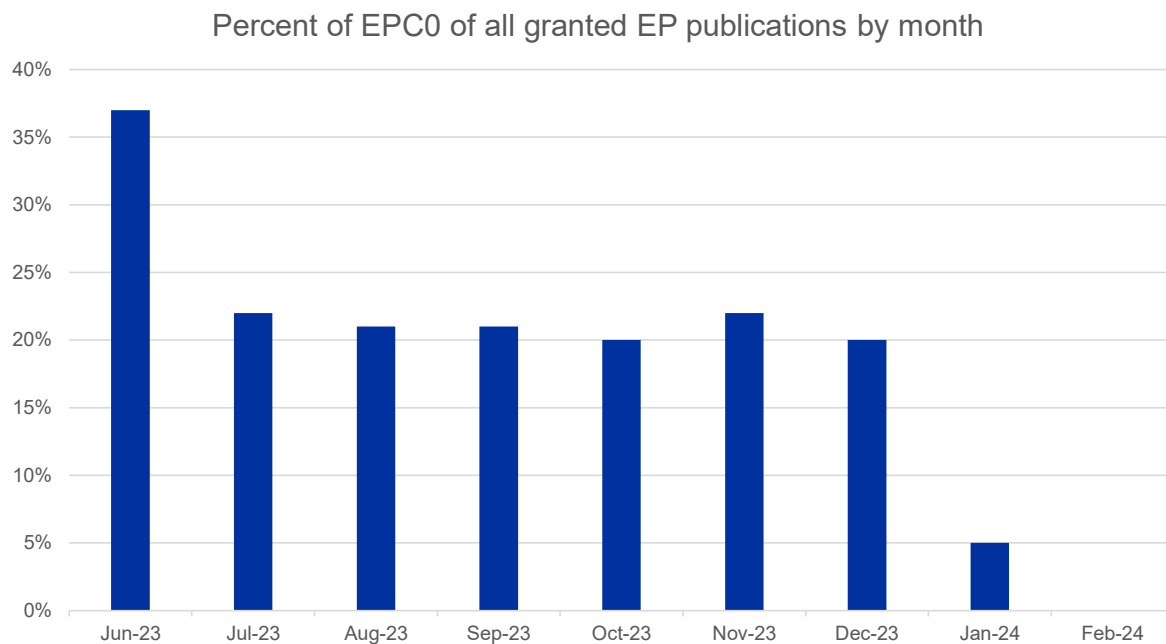
Recent addition in WPINDEX showing the delay in EPC0 data

AN 2023-57027E [2023046] WPINDEX Full-text
TI Brachytherapy positioning and dosimetry system for brachytherapy plan verification and treatment procedures, has dosimeters applied to measure irradiation dose three-dimensional map within time-space-resolved coordinates of scanner
DC S03; S05
IN AKELAITIS K; CEPONIS T; CICINAS A; GAUBAS E; PUKAS K; RUMBAUSKAS V; UZGIRYTE M; VENIUS J
PA (USSH-C) US NAT CANCER INST; (UYVI-N) UNIV VILNIUS
CYC 44
PI EP 4186562 A1 20230531 (2023046)* EN 29[14]
EP 4186562 B1 20231129 (2023097) EN
EP 4186562 C0 20231129 (2024007) EN
ADT EP 4186562 A1 EP 2021-210650 20211126; EP 4186562 B1 EP 2021-210650 20211126; EP 4186562 C0 EP 2021-210650 20211126
PRAI EP 2021-210650 20211126
IPCI A61N0005-10 [I,A]

First few months of Unitary Patents

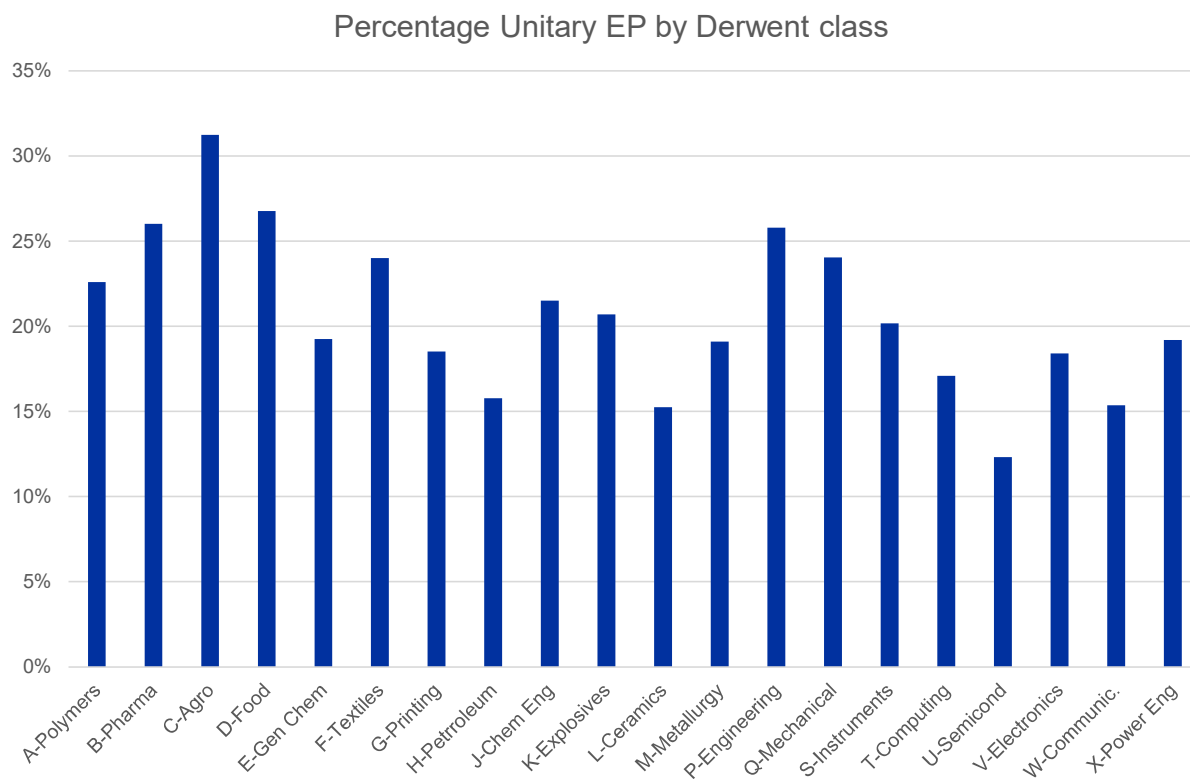
Uptake shows over 18,500 EPC0 so far in Inpadoc

Absolute numbers show too much variation:



Uptake of Unitary Patents by industry

Based on Derwent Classification



Top chemistry related companies

Have these companies embraced the Unitary system?

Companies with a strong Unitary presence include Siemens, Samsung, Fraunhofer, Philip Morris, Roche, L'Oreal, Philips, CNRS, J&J, BASF, CEA, Airbus, Saint Gobain, Shell, Covestro

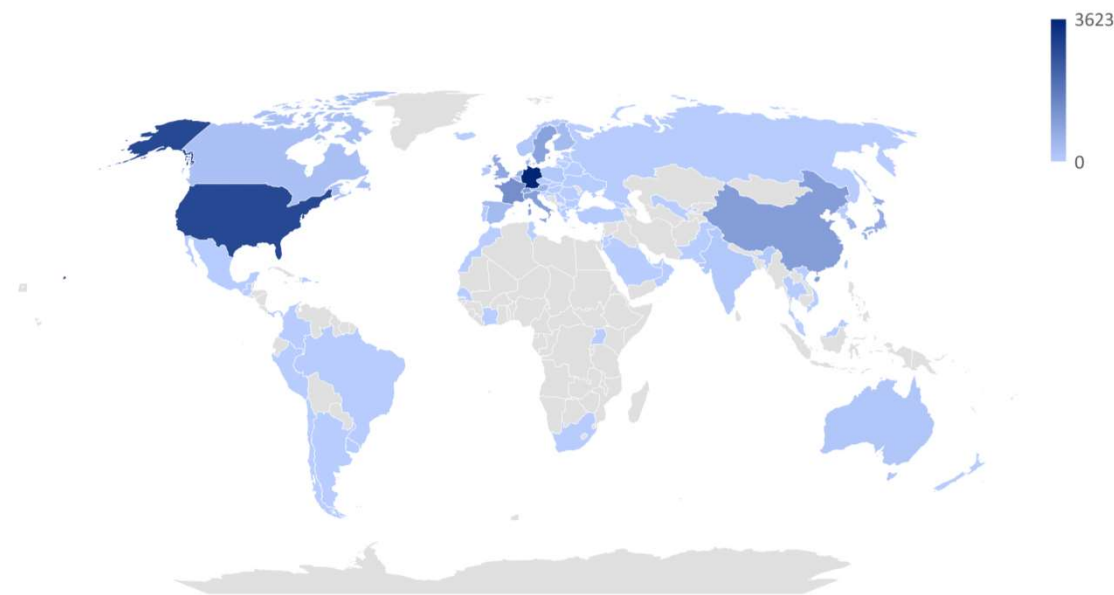
Companies with a small Unitary presence include Evonik, Mitsubishi Chem, Merck KgaA, Du Pont, Air Liquide, Toray, Sumitomo Chem, Michelin, Sabic, Boehringer, Dow, Henkel, Novartis, Borealis, BMS, Bridgestone, Continental

Companies without a Unitary presence so far include P&G, 3M, MSD, Boeing, Rohm & Haas, Kao, Eli Lilly, Celgene, Goodyear

Uptake of Unitary patents by geographic region

Based on the PA.CNY field in Inpadoc

EPC0 by geographic region



Country	EPC0
DE	3623
US	2866
FR	1342
CH	1077
CN	1024
IT	1003
SE	917
GB	808
NL	710
JP	691
KR	560
DK	556
AT	538
FI	394
BE	387
ES	387
IL	291
CA	269

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Additional National Phase extensions

What other EP member states are granted?

Memb St	Natl Phase	
CH	100%	18527
GB	86%	15880
IE	81%	14998
ES	17%	3075
NO	8%	1511
TR	3%	619
GR	3%	532
HU	3%	510
SK	3%	485
CZ	2%	435
RO	2%	430
HR	2%	281
PL	1%	194
RS	1%	113
MC	0%	68
IS	0%	63
CY	0%	30
SM	0%	24

```

20231013 EPREG      REFERENCE TO A NATIONAL CODE
                    CHEP      + CH: EUROPEAN PATENT TAKES EFFECT AS A NATIONAL PATENT IN
                               CH/LI
                               CH
                               ENP Entry into National Phase
                               W OTHER
                               .....20231026
20231025 EPREG      REFERENCE TO A NATIONAL CODE
                    IEFG4D    + IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
                               IE
                               ENP Entry into National Phase
                               F IP RIGHT GRANT
                               .....20240125
    
```


Unitary litigation: 13 cases in Inpadoc

Explore 25 legal event codes for Unitary patents in LSC field

E42 13 EPU30/LSC
E43 13 EPU30 ACTION FILED AT THE UNIFIED PATENT COURT (INFORMATION PROVIDED BY THE UPC) WWW.UNIFIED-PATENT-COURT.ORG/EN/REGISTR/LSC

TIEN COMPOSITIONS AND METHODS FOR ANALYTE DETECTION.
TIFR COMPOSITIONS ET PROCEDES DE DETECTION D'ANALYTE.
TIDE ZUSAMMENSETZUNGEN UND VERFAHREN ZUR ANALYTDETEKTION.
PA President and Fellows of Harvard College

AN 118803124 INPADOCDB

LEGAL STATUS

20230726 **EPU30** ACTION FILED AT THE UNIFIED PATENT COURT [INFORMATION PROVIDED BY THE UPC]
www.unified-patent-court.org/en/registry/cases
ACTION-TYPE: INFRINGEMENT ACTION; CASE-NUMBER:
ACT_460565/2023
20230601
ORE Opposition, Reexamination, Appeal
W OTHER
.....20230803

Expand EPU/LSC field for the complete list

First of the Annual Fee Payments

Searching for EPU20 retrieves 6,539 documents with fee payments

TIEN TERPOLYMER AND POLYMER BRUSHES FOR USE AGAINST NON-SPECIFIC ADSORPTION OF
SUBSTANCES FROM BIOLOGICAL MEDIA.

PI EP 4149984 A1 20230322

PI EP 4149984 B1 20231213

PI EP 4149984 C0 20231213

AN 120059246 INPADOCDB [Full-text](#)

LEGAL STATUS

20240214 **EPU20** + RENEWAL FEE PAID [UNITARY EFFECT]

20240111

Payment Year: 4

FEE Fee Payment

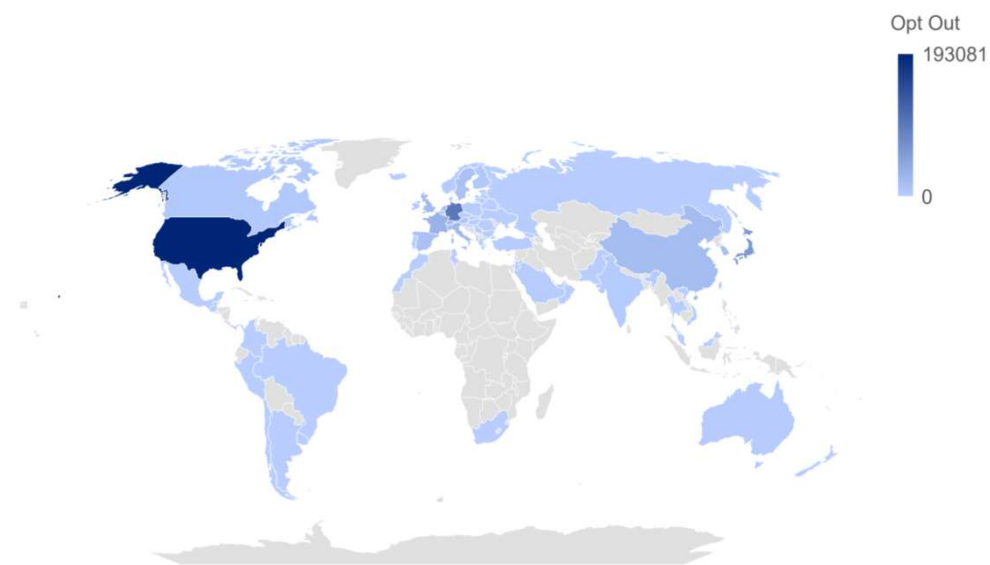
U PAYMENT

.....20240222

UPC Opt-Out information

There are 577K entries in UOO/LSC2

Opt Out by geographic region



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Country	Opt Out
DE	97718
US	193081
FR	31147
CH	26132
CN	19423
IT	22588
SE	13955
GB	23174
NL	19809
JP	62643
KR	19581
DK	5822
AT	8975
FI	5769
BE	6870
ES	13955
IL	3599
CA	5795

Country	EPC0
DE	3623
US	2866
FR	1342
CH	1077
CN	1024
IT	1003
SE	917
GB	808
NL	710
JP	691
KR	560
DK	556
AT	538
FI	394
BE	387
ES	387
IL	291
CA	269

Unusually high Opt-out numbers from assignees from LU, KY, NZ, BB, VG, BM, SA and MY



Summary

Trends in Unitary Patent protection and UPC opt-out choices

Unitary kind code (EPC0) and the Unitary legal status data is still 6-8 weeks behind the EP grant information

Numbers seems to level off at 20% of the EP grants

Chemistry and engineering patents seem to have slightly higher percentages of Unitary protection

CH-GB-IE are the most common member states to get additional national phase implementations

Inpadoc doesn't cover cases at the Unified Patent Court very well

No Unitary patent has lapsed yet

Between problems
and progress
are connections
that matter



Paul Peters

Director, Customer Success Specialists
ppeters@acs-i.org

CONTACT

CAS
help@cas.org
cas.org

FIZ Karlsruhe
EMEAhelp@cas.org
stn-international.de