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WORLD INTELLECTUAL PROPERTY ORGANIZATION  
UNITED INTERNATIONAL BUREAUX FOR THE PROTECTION OF INTELLECTUAL PROPERTY  
GENEVA

**PATENT COOPERATION TREATY**

**INTERIM COMMITTEE FOR TECHNICAL COOPERATION**

**Third Session: Tokyo, October 23 to 27, 1973**

MINIMUM DOCUMENTATION (NON-PATENT LITERATURE):  
PROPOSAL OF THE NETHERLANDS PATENT OFFICE REGARDING  
THE ESTABLISHMENT OF OBJECTIVE CRITERIA FOR THE SELECTION  
OF PERIODICALS FOR THE PCT MINIMUM DOCUMENTATION

prepared by the International Bureau

1. The International Bureau has received a letter, dated October 15, 1973, from the Vice-President of the Netherlands Patent Office, submitting a report of investigations made by that Office regarding the establishment of objective criteria for the selection of periodicals for the PCT minimum documentation. This letter and its annexes are attached as Annexes A, B, C and D to this document.

2. In view of the time of submission of this proposal it can be submitted to the Interim Committee for Technical Co-operation (hereinafter referred to as "the Interim Committee") only at the beginning of the meeting and in its original language. In view of the technical nature of the problem, the Interim Committee might wish to refer this matter to the Standing Subcommittee for consideration at its next meeting. In preparation of such later meeting, more easily legible copies of Annexes 1 and 2 to the investigations report, i.e. Annexes C and D to the present document, could be presented.

3. The Interim Committee is invited to express its views.

/Annexes A, B, C and D follow/

# Octrooiraad

PCT/TCO/III/10  
Annex A  
Patentlaan 2  
Rijswijk (Z-H)

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uw brief van

uw nummer

ons nummer

bijlagen

S 73/469

datum October 15, 1973

onderwerp

Prof. G.H.C. Bodenhausen  
Director General of WIPO  
32, chemin des Colombettes  
Genève

Dear Director-General,

Please find attached a report of investigations made by the Netherlands Patent Office regarding the establishment of objective criteria for the selection of periodicals for the PCT minimum documentation.

I had hoped to be able to submit this report early in September, so that it could have been distributed well in advance of the PCT/TCO meeting in Tokyo; however, due to an unforeseen accumulation of work the report has only now been completed. Although the report is of a rather technical character, more suited for study by the Standing Subcommittee which is not meeting as such this autumn, I hope it will still be possible to accept this as a paper for the TCO meeting, agenda item 6, if only to refer it to the Standing Subcommittee and to the Secretariat as material to be utilized in the continuing work on this subject.

Yours sincerely,

  
J. Dekker  
Vice President.

/Annex B follows/

Minimum Documentation (Non-Patent Literature)

Selection criteria for inclusion

1. The Documentation Service of the Netherlands Patent Office has continued its efforts to arrive at objective criteria for the selection of periodicals for inclusion in the minimum documentation. First of all the number of copies of articles from a periodical found in the search files was utilized as a criterion for selection, and the results of the application thereof were reported in PCT/TCO/SS/III/8 Annex I which contains lists of periodicals that would have to be deleted from or added to the original list of document PCT/TCO/SS/I/3 (Annex)
2. Further selection criteria have since been developed and applied. These are:
  2. the number of citations from a periodical in the search reports
  3. the percentage of articles from a periodical of which copies are found in the search files
  4. the presence of other periodicals covering the same field
  5. the ratio of the number of periodicals covering a field and the number of searches made in that field.
3. The attached lists 1 and 2 each contain the same periodicals as the two lists of the above-mentioned earlier report, against which now all five criteria are entered in columnar form. The entries in these columns are as follows :
  1. the number of articles from that periodical inserted in the search files (average for 1970 and 1971).
  2. the number of citations of articles from the periodicals in all search reports issued by the IIB in 1972 (data supplied by the Documentation Service of the IIB).
  3. the percentage of the articles in the periodical (counted from list of contents or index) copies of which were inserted in the search files, expressed as :

A = less than 10%  
B = 10 to 20%  
C = 20 to 40%  
D = 40 to 60%  
E = more than 60%

Certain periodicals are marked S (special), such as abstract journals, of which no copies can be expected in the search files.
  4. the number of periodicals in the technical field concerned, from which articles are regularly copied for insertion in the search files in the Netherlands Patent Office and the IIB, expressed as :

I = more than 20

II = 10 to 20

III = 6 to 10

IV = less than 6

Again an S was used for certain periodicals that could not easily be assigned to a field. For the purpose of this criterion a division of the total field of technique into about 50 fields was used, based upon existing arrangements in the Netherlands Patent Office and the IIB for the circulation of periodicals.

5. an indication of the disparity between the coverage of the various fields by periodicals and the number of searches in these fields. For this purpose the ratio was calculated of the percentage of all periodicals relating to a field and the percentage of all applications falling in that field, and this ratio is expressed as follows :
  - 1 = ratio more than 4
  - 2 = ratio 1,5 to 4
  - 3 = ratio 0,8 to 1,5
  - 4 = ratio 0,4 to 0,8
  - 5 = ratio less than 0,4
6. When the entries for a periodical in all five columns are high or relatively high, this is a strong indication that this periodical should be on the minimum documentation list. When the columns give contradictory evidence\*, one should investigate the reasons somewhat more precisely before deciding on inclusion or non-inclusion. One result that can be derived from these lists is that the majority of the periodicals on list 2 are in fields that are already well covered by other periodicals; it appears therefore that inclusion appears not essential, and that this could be restricted to periodicals with III or IV in column 4, unless only a few periodicals are already included for that field (column 5 high). One must make an exception for chemical fields however, since for these fields searching NPL is done to a large extent via abstract journals, and then columns 1, 3, 4 and 5 lose their significance.
7. The purpose of this study is not to arrive at a modified list for PCT-purposes at this time; the study is too much influenced by the Documentation practices of the Netherlands Patent Office and the IIB for the detailed results to be of general applicability. However the study appears to show that in addition to the various subjective criteria used so far in the studies of WIPO, certain objective statistical criteria can be applied and that using only the INSPEC criterium (at least 25 articles copied per year, which with cross referencing will be about 30 copies inserted into the files; this was used to differentiate between lists 1 and 2) is unsatisfactory. It is suggested that once operations with a certain minimum list (however arrived at) start, methods like the above should be applied for a continuous evaluation and improvement of the list of selected periodicals.

\* (a good example is the periodical Nature on list 2)

## ANNEX 1 List of Periodicals to be considered for inclusion

			Selection criterion				
			1	2	3	4	5
1. ASHRAE - Journal.(22).							
2. AHS - Journal.(2).							
3. ATZ - Automobiltechnische Zeitschrift.(20).							
4. Acta Chemica Scandinavica.(9).							
5. Aeropel Age.(6).							
6. Agricultural Chemicals.(4).							
7. Agricultural Engineering.(14).							
8. Aircraft Engineering.(22).							
9. American Aviation.(1).							
10. American Leather Chemists Association, Journal. (4).							
11. American Oil Chemists' Society, Journal. (25).							
12. American Society for Metals, Transactions.(0).							
13. Annales de Chimie.(2).							
14. Annales Françaises de Chronométrie et Micromécanique.(10).							
15. Annales des Mines de Belgique.(13).							
16. Annales de Télécommunications.(25).							
17. Architecture d'Aujourd'hui.(15).							
18. Archiv für Elektrotechnik.(4).							
19. Arzneimittelforschung.(2).							
20. ASEA Journal.(25).							
21. Association for Computing Machinery, Journal.(14).							
22. Astronautics and Aeronautics.(18).							
23. Autocar.(4).							
24. Automation and Remote Control.(0).							
25. Automobile Engineer.(15).							
26. Automotive Industries.(19).							
27. Berichte der Deutschen Bunsengesellschaft für Physikalische Chemie.(7).							
28. Beton und Stahlbetonbau.(28).							
29. BTÖchémistry.(3).							
30. Blast furnace and Steel Plant.(24).							
31. Brennstoffchemie.(6).							
32. British Nuclear Energy Society, Journal.(13).							
33. British Technology Index.)							
34. Chemical and Engineering News.(27).							
35. Chemical Reviews.(13).							
36. Chemische Berichte.(26).							
37. Chemistry in Britain.(9).							
38. Chimia.(13).							
39. CIBA - Review. (5).							
40. Coal Age.(9).							
41. Colliery Guardian.(6).							
42. Combustion.(25).							
43. Corrosion.(17).							
44. Datamation.(28).							
45. Data Systems.(0).							
46. Deutsche Agrartechnik.(29).							
47. DK - Mitteilungen.(2).							
48. Elektrische Bahnen.(26).							
49. Electronic Applications, Components and Materials.(17).							
50. Elektronische Datenverarbeitung.(26).							
51. Elektronische Mechanik/Gen.(29).							
52. Endavor.(5).							
53. Energie Nucléaire.(22).							
54. Engineering and mining journal.(1).							
55. Erdöl und Kohle, Erdgas Petrochemie.(26).							
56. Electronen Revue.(12).							
57. Electronen Technik.(12).							
58. Escher-Wyss News. (Escher-Wyss Mitteilungen.)(3).							

NON TECHNICAL

DÉCOUVERTE

Annex 1 (continued)

- 462 Schweizer Aluminium Rundschau.(24).  
 463 Sheet Metal Industries.(29).  
 464 Shipping World and Shipbuilder.(15).  
 465 Soldat und Technik.(21).  
 466 Soviet Journal of Atomic Energy.(10).  
 467 Spinner, Weber, Textilveredlung.(27).  
 468 Steroids.(4).  
 469 Technische Mitteilungen Krupp. Forschungsberichte.(9).  
 470 Technische Mitteilungen Krupp. Werksberichte.(20).  
 471 Tenside.(28).  
 472 Tetrahedron.(18).  
 473 Textile Institute and Industry.(4).  
 474 Textile Institute Journal.(8).  
 475 Textile Manufacturer.(15).  
 476 Textile Month.(26).  
 477 Tool and Manufacturing Engineer.(19).  
 478 United States Naval Institute, Proceedings.(1).  
 479 Water Pollution Control Federation, Journal.(8).  
 480 Welding Engineer.(12).  
 481 Welding Journal.(25).  
 482 Welding and Metal Fabrication.(25).  
 483 Werkstoffe und Korrosion.(2).  
 484 Westinghouse Engineer.(19).  
 485 Wire and Wire Products.(13).  
 486 Wirkerei und Strickereitechnik. (0).  
 487 World Fishing.(6).  
 488 Zeitschrift für Flugwissenschaften.(2).  
 489 Zeitschrift für Metallkunde.(27).  
 490 Zement, Kalk, Gips.(13).  
 491 Cobalt.(0).  
 492 Compressed Air.(22).  
 493 Gas World and Gas & Coke.(12).  
 494 Metallocberfläche.(2).  
 495 Physica.(22).

Selection criteria				
1	2	3	4	5
24		C	I	3
25		D	H	2
26		C	H	3
27		C	H	1
28		B	H	3
29		B	H	3
30		B	H	3
31		B	H	3
32		B	H	3
33		B	H	3
34		B	H	3
35		B	H	3
36		B	H	3
37		B	H	3
38		B	H	3
39		B	H	3
40		B	H	3
41		B	H	3
42		B	H	3
43		B	H	3
44		B	H	3
45		B	H	3
46		B	H	3
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50		B	H	3
51		B	H	3
52		B	H	3
53		B	H	3
54		B	H	3
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332		B	H	3
333		B	H	3
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338		B	H	3
339		B	H	3
340		B	H	3

## ANNEX 1 List of Periodicals to be considered for inclusion

	Selection Criterion				
	1	2	3	4	5
1. ASHRAE - Journal.(22).	A	C	C	B	3
2. BHIS - Journal.(2).	A	C	C	B	3
3. ATZ - Automobiltechnische Zeitschrift.(20).	A	C	C	B	3
4. Acta Chemica Scandinavica.(9).	A	C	C	B	3
5. Aerosol Age.(6).	A	C	C	B	3
6. Agricultural Chemicals.(4).	A	C	C	B	3
7. Agricultural Engineering.(14).	A	C	C	B	3
8. Aircraft Engineering.(22).	A	C	C	B	3
9. American Aviation.(1).	A	C	C	B	3
10. American Leather Chemists Association, Journal.(4).	A	C	C	B	3
11. American Oil Chemists' Society, Journal.(25).	A	C	C	B	3
12. American Society for Metals, Transactions.(0).	A	C	C	B	3
13. Annales de Chimie.(2).	A	C	C	B	3
14. Annales Francaises de Chronometrie et Micromechanique.(10).	A	C	C	B	3
15. Annales des Mines de Belgique.(13).	A	C	C	B	3
16. Annales de Telecommunications.(25).	A	C	C	B	3
17. Architecture d'Aujourd'hui.(15).	A	C	C	B	3
18. Archiv für Elektrotechnik.(4).	A	C	C	B	3
19. Arzneimittelforschung.(2).	A	C	C	B	3
20. ASEA Journal.(25).	A	C	C	B	3
21. Association for Computing Machinery, Journal.(14).	A	C	C	B	3
22. Automechanika and Aeronautics.(18).	A	C	C	B	3
23. Autocar.(4).	A	C	C	B	3
24. Automation and Remote Control.(0).	A	C	C	B	3
25. Automobile Engineer.(15).	A	C	C	B	3
26. Automotive Industries.(19).	A	C	C	B	3
27. Berichte der Deutschen Bunsengesellschaft für Physikalische Chemie.(7).	A	C	C	B	3
28. Beton und Stahlbetonbau.(28).	A	C	C	B	3
29. Biochemistry.(3).	A	C	C	B	3
30. Blast furnace and Steel Plant.(24).	A	C	C	B	3
31. Brennstoffchemie.(6).	A	C	C	B	3
32. British Nuclear Energy Society, Journal.(13).	A	C	C	B	3
33. British Technology Index.)	A	C	C	B	3
34. Chemical and Engineering News.(27).	A	C	C	B	3
35. Chemical Reviews.(13).	A	C	C	B	3
36. Chemische Berichte.(26).	A	C	C	B	3
37. Chemistry in Britain.(9).	A	C	C	B	3
38. Chimia.(13).	A	C	C	B	3
39. CIBA - Review. (5).	A	C	C	B	3
40. Coal Age.(9).	A	C	C	B	3
41. Colliery Guardian.(6).	A	C	C	B	3
42. Combustion.(25).	A	C	C	B	3
43. Corrosion.(17).	A	C	C	B	3
44. Distillation.(28).	A	C	C	B	3
45. Data Systems.(0).	A	C	C	B	3
46. Deutsche Agrartechnik.(29).	A	C	C	B	3
47. DK - Mitteilungen.(2).	A	C	C	B	3
48. Elektrische Bahnen.(26).	A	C	C	B	3
49. Electronic Applications, Components and Materials.(17).	A	C	C	B	3
50. Elektronische Datenverarbeitung.(26).	A	C	C	B	3
51. Elektronische Rechenanlagen.(29).	A	C	C	B	3
52. Endeavour.(5).	A	C	C	B	3
53. Energie nucléaire.(22).	A	C	C	B	3
54. Engineering and Mining Journal.(1).	A	C	C	B	3
55. Erdöl und Kohle, Erdgas Petrochemie.(26).	A	C	C	B	3
56. Electron Review.(1).	A	C	C	B	3
57. Electronica and Control.	A	C	C	B	3
58. Escher-Wyss News.(Escher-Wyss Mitteilungen.)(3).	A	C	C	B	3

NON TECHNICAL

DE GRUYTER

1. Pionierie. (15).  
2. Country Trade Journal. (23).  
3. Gasfach und Wasserfach. Gas-Wasser-Abwasser. (5).  
4. General Radio Experimentor. (10).  
5. Messereiforschung. (1).  
6. Glasers Annalen. (21).  
7. Glass Industry. (10).  
8. Glückauf. (20).  
9. Gummibereitung. (29).  
10. Helvetica Chimica Acta. (11).  
11. Hovering Craft and Hydrofoil. (10).  
12. Hydraulic and Pneumatic Power. (19).  
13. Hydrocarbon Processing and Petroleum Refiner. (28).  
14. IEEE Transactions on Automatic Control. (25).  
15. IEEE Transactions on Broadcasting. (18).  
16. IEEE Transactions on Electrical Insulation. (13).  
17. IEEE Transactions on Electromagnetic Compatibility. (13).  
18. IEEE Transactions on Parts, Materials and Packaging. (16).  
19. IEEE Transactions on Reliability. (12).  
20. IEEE Transactions on Vehicular Technology Communication. (24).  
21. Illuminating Engineering. (14).  
22. INCO - Nickel. (0).  
23. Industrial and Engineering Chemistry: Fundamentals. (7).  
24. Industrial and Engineering Chemistry: Process Design and Development. (14).  
25. Industrial Diamond Review. (11).  
26. Industrie Chimique. Le phosphate.  
27. Information Storage and Retrieval. (4).  
28. Institute of Brewing, Journal. (8).  
29. Institute of Fuel, Journal. (9).  
30. Institute of Metals, Journal. (0).  
31. Institute of Petroleum, Journal. (5).  
32. Instrumentation. (0).  
33. International Journal of Control. (24).  
34. International Journal of Powder Metallurgy. (0).  
35. International Nickel Magazine. (0).  
36. International Sugar Journal. (5).  
37. Iron Age. (0).  
38. Iron and Steel Institute, Journal. (0).  
39. Journal of Analytical Chemistry USSR. (0).  
40. Journal of Chemical Documentation. (7).  
41. Journal of Chemical Physics. (8).  
42. Journal of Documentation. (0).  
43. Journal of Economic Entomology. (26).  
44. Journal of Heterocyclic Chemistry. (0).  
45. Journal of the Less Common Metals. (0).  
46. Journal of Medicinal Chemistry. (0).  
47. Journal of Metals. (29).  
48. Journal of Nuclear Energy. (10).  
49. Journal of Organic Chemistry. (29).  
50. Journal of Pharmaceutical Sciences. (11).  
51. Journal of Photographic Science. (16).  
52. Journal of Physics. Part A. General. (11).  
53. Justus Liebigs Annales der Chemie. (6).  
54. Kautschuk & Gummi. (21).  
55. Kernenergie. (22).  
56. Kolloid Zeitschrift. (7).  
57. Kunstdstoff monatsheu. (0).

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15 23 5 0 3 2 10 20 29 11 10 19 28 25 19 13 13 16 14 0 7 14 15	27 2	18 NON TECHNICI C STANDARDS S, S	12 NON TECHNICI C STANDARDS S, S
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Alveyres in Instrumentation.(249).  
 L'Aeronautique et l'astronautique.(43)-  
 Acer-Stahl-Steel.(40).  
 Application information.(65).  
 Applied spectroscopy.(44).  
 Atomkernenergie.(37).  
 Automatic.(37).  
 Automotive Engineering.(35).  
 B.R.G.Nachrichten.(63).  
 R.W.K. Brennstoff, Wärme, Kraft.(47).  
 Patr.(58).  
 Bodrijf en Techniek A.(algemeen).(48).  
 Bodrijf en Techniek EL-EL.(Elektrotechniek, Electronica).(61).  
 Bouw.(89).  
 Bulletin de l'institut International de froid.(58).  
 Cables et Transmission.(42).  
 Cahiers du centre scientifique et technique de bâtiments.(175).  
 Canadian Journal of Physics.(78).  
 Cement.(39).  
 Chemical Instrumentation;A journal of experimental techniques in chemistry and biochemistry.(34).  
 Civil Engineering and public works review.(London).(102).  
 Computer design.(98).  
 Communications of the Association for Computing Machinery.(30).  
 Constructeur.(37).  
 Deutsche Bauzeitschrift.D.B.Z.(45).  
 Electrical design news.(311).  
 Electricité électronique moderne.Edition Rouge.(industriel).(42).  
 Electron.(34).  
 Electronics and communications in Japan.(229).  
 Electronics Express.(125).  
 Electronics Letters.(410).  
 Electronique et microelectronique industrielles.(154).  
 Elektrotechnik.(102).  
 Energie fluide.(47).  
 Engineer.(127).  
 Engineers Digest.(46).  
 Formmelde Praxis.(60).  
 G.I.T.Fochzeitschrift für das Laboratorium.(169).  
 Health physics.(98).  
 I.E.E.E. Conference Papers.(42).  
 I.E.E.E. International solid state circuits conference.(55).  
 I.S.A. Transactions.(58).  
 Ingénieur.(124).  
 Ingénieursblad.(32).  
 Inorganic chemistry.(77).  
 Instruments and experimental techniques.(465).  
 Inter électronique.(84).  
 International construction.(77).  
 International Journal of Mass Spectrometry and Ion Physics.(52).  
 Isotopes and radiation technology.(46).  
 J.E.E.Japan Electronic Engineering.(85).  
 JETP letters.(101).  
 Journal de l'équipement électrique et électronique.(33).  
 Journal of nuclear medicine.(48).  
 Journal of the society of dyers and colourists.(52).  
 Knittechnik + Stricken.(45).  
 Knitting Times.(38).  
 Kunststoff-Chemie.(40).

2269		E	II	4
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60	2	C	II	4
65		D	II	4
47	2	D	II	1
37		C	II	2
37		D	II	3
35		C	II	1
63	3	E	II	2
47		D	II	3
19		G	II	4
145		D	II	3
61		D	II	1
89		C	II	1
58		E	II	3
42	9	E	II	2
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14		E	II	1
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98	10	E	II	4
30	8	C	II	3
37		E	II	3
65		E	II	4
311	47	E	II	2
42		E	II	1
347		B	II	2
129	8	E	II	2
125		E	II	2
410	39	E	II	2
152	29	E	II	2
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47		C	II	2
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46	5	E	II	3
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22		D	II	1
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32		C	II	3
72		B	II	2
445	14	E	II	3
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66	3	B	II	1
85	7	E	II	2
103		E	II	2
33		E	II	4
40	9	E	II	1
52		D	II	4
93		B	II	1
38		B	II	3
40		B	II	3

## Annex 2 (continued)

- Materials research bulletin. (47).
- Measurement and control. (48).
- Metalbewerking. (34).
- Microbiology abstracts. A. Industrial microbiology. (223).
- Microelectronics. (115).
- Misset's Bouwwereld. (115).
- NEC Research and development. (56).
- Nature. (Physical Science). (56).
- New Scientist and Science Journal. (76).
- Offshore. (33).
- Peintures, Pigments, Vernis. (35).
- Physics express. (237).
- Plasma Physics. (54).
- Polytechnisch Tijdschrift: Bouwkunde, wegen- en waterbouw. (101).
- Polytechnisch Tijdschrift: Ed.E. Elektrotechniek- Electronica. (132).
- Polytechnisch Tijdschrift: Werkuitgbouw. (74).
- Proceedings of the Mat. Electr. Conference. (211).
- Product Licensing index. (177).
- R.C.A. Technical Notes. (53).
- Radio mentor electronic. (181).
- Regelungstechnische Praxis und Prozess-Rechentechnik. (33).
- Review of the Electrical communication laboratory. (123).
- Revue de Métallurgie. (49).
- Revue Pratique de froid et de conditionement de l'air. (35).
- Revue technique de la Compagnie Française Thomson Houston: Electrique. (33).
- Riechstoffe, Aromen, Körperpflegemittel. (41).
- Roads and road construction. (57).
- Russian chemical reviews. (51).
- S.T.Z. Schweizerische Technische Zeitschrift. (56).
- Siemens Bauteile Informationen. (68).
- Solid state communications. (214).
- Soviet automatic control. (48).
- Soviet Journal of instrumentation and control. (501).
- Soviet Physics JETP. (233).
- Steuerungstechnik. (74).
- Strain. (37).
- Stijl. (43).
- Soap, Perfumery and cosmetics. (31).
- Technical Digest. (113).
- Techniques et Architecture. (54).
- Thin Solid Films. An international Journal of the science and Technology. (42)
- Toute l'Electronique. (154).
- Transactions of the Institute of Marine Engineers. (36).
- Transactions and Journal of the British Ceramic Society. (35).
- V.D.E. Fachberichte. (40).
- V.D.I. Nachrichten. (141).
- Voedingsmiddelentechnology. (49).
- Zeitschrift für angewandte mathematik und Physik. (33).

Selection criteria				
1	2	3	4	5
47				4
48				2
34			3	
223				
115	11			
111			11	
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101			11	
132			1	
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173	8			
53				
81	39			
33	4			
123	17			
44				1
35				12
33				3
41				2
57				4
51				3
56	2			5
68				3
214				2
40				2
501	6			4
233	6			2
74			11	2
37				5
43				10
31				5
113				4
54				3
42	9			2
124	14			11
36				2
55				1
40	4			4
141				3
49	2			2
33				1