

MERIT concordance table: IPC - ISIC (rev. 2)

by Bart Verspagen, Ton van Moergastel & Maureen Slabbers

MERIT Research Memorandum 2/94-004

MERIT Research Memoranda can be ordered from the address below, or be obtained in electronic form (Postscript) by anonymous ftp at [meritbbs.rulimburg.nl](ftp://meritbbs.rulimburg.nl)



Maastricht Economic Research Institute on Innovation and Technology
University of Limburg, P.O. Box 616, NL-6200 MD Maastricht, The Netherlands
tel (31) (0)43 883869, fax (31) (0)43 216518, Email Bart.Verspagen@Merit.Rulimburg.nl

MERIT concordance table : IPC - ISIC (rev. 2)

This document contains the MERIT concordance table between the International Patent Classification (IPC) used by the European Patent Office (EPO) and the International Standard Industrial Classification of All Economic Activities (ISIC - rev. 2) of the United Nations. ISICs are grouped into 22 different aggregate sectors. Only the manufacturing sectors are taken into account.

The percentages in the last column of the table give the share of the patents in each IPC-class assigned to the accessory ISIC-category. A percentage of 100%, for example, therefore means that all patents in the IPC-class are assigned to the corresponding ISIC-category.

The table makes it possible to assign the patent data by field of technology of EPO to a classification by economic sector. While constructing this table, we have used a similar concordance table (between IPC and the Finnish version of ISIC) prepared by Statistics Finland (supplied by M. Akerblom, whose help is gratefully acknowledged).

Your comments on this concordance table are always welcome,

Bart Verspagen
Ton van Moergastel
Maureen Slabbers

	ISIC	IPC	%	Description aggregate sector
1	3830 (except 3832)	A45D	40	Electric mach., ex. electronics
		A47J	80	
		A47L	40	
		A61H	30	
		B03C	100	
		B23Q	10	
		B60Q	100	
		B64F	20	
		F02P	100	
		F21H	100	
		F21K	100	
		F21L	100	
		F21M	100	
		F21P	100	
		F21Q	100	
		F21S	100	
		F21V	100	
		F27B	10	
		G08B	100	
		G08G	100	
		H01B	100	
		H01F	100	
		H01G	100	
		H01H	100	
		H01J	100	
		H01K	100	
		H01M	100	
		H01R	100	
		H01S	100	
		H01T	100	
		H02B	100	
		H02G	100	
		H02H	100	
		H02J	100	
		H02K	100	
		H02M	100	
		H02N	100	
		H02P	100	
		H03M	100	
		H05B	100	
		H05C	100	
		H05F	100	
		H05H	100	

	ISIC	IPC	%	Description aggregate sector			
2	3832	G08C	100	Electronics			
		G09B	50				
		H01C	100				
		H01L	100				
		H01P	100				
		H01Q	100				
		H03B	100				
		H03C	100				
		H03D	100				
		H03F	100				
		H03G	100				
		H03H	100				
		H03J	100				
		H03K	100				
		H03L	100				
		H04A	100				
		H04B	100				
		H04G	100				
		H04H	100				
		H04J	100				
		H04K	100				
		H04L	100				
		H04M	100				
		H04N	100				
		H04Q	100				
		H04R	100				
		H04S	100				
		H05K	100				
		3	3510+3520 (except 3522)		A01M	20	Chemistry, except pharmacy
					A01N	100	
					A61K	30	
					A61L	40	
					A62D	100	
B09B	75						
B27K	70						
B29B	20						
B29C	20						
B29D	50						
B29F	20						
B29G	50						
B29K	100						
B29L	100						
B41M	15						
B44D	50						
C01B	100						
C01C	100						
C01D	100						

ISIC	IPC	%	Description aggregate sector
(continued)	C01F	100	
	C01G	100	
	C02F	50	
	C05B	100	
	C05C	100	
	C05D	100	
	C05F	100	
	C05G	100	
	C06B	100	
	C06C	100	
	C06D	100	
	C06F	100	
	C07B	10	
	C07C	10	
	C07D	10	
	C07F	10	
	C07G	10	
	C08B	100	
	C08C	100	
	C08F	100	
	C08G	100	
	C08H	100	
	C08J	100	
	C08K	100	
	C08L	100	
	C09B	100	
	C09C	100	
	C09D	100	
	C09F	100	
	C09G	100	
	C09H	100	
	C09J	100	
	C09K	100	
	C10H	100	
	C10J	100	
	C10K	100	
	C10N	100	
	C11B	50	
	C11C	50	
	C11D	100	
	C12D	90	
	C12K	75	
	C12R	10	
	C14C	50	
	E04D	25	
	F41H	50	

	ISIC	IPC	%	Description aggregate sector
4	3522	A61J	30	Pharmacy
		A61K	65	
		C07B	85	
		C07C	85	
		C07D	85	
		C07F	85	
		C07G	85	
		C07H	90	
		C07J	100	
		C07K	100	
		C12N	80	
		C12P	50	
		C12S	100	
		5	3530+3540	
C10C	100			
C10G	100			
C10L	100			
C10M	100			
6	3841	B60V	100	Shipbuilding
		B63B	100	
		B63C	100	
		B63G	100	
		B63H	100	
		B63J	100	
7	3843	B60B	100	Motor vehicles
		B60D	100	
		B60F	100	
		B60G	70	
		B60H	100	
		B60J	100	
		B60K	100	
		B60P	100	
		B60S	100	
		B60T	100	
		B62D	100	
		B62M	50	
		B65F	40	
		F02M	100	
		F02N	100	
		F16D	100	
		F16F	100	
F16G	100			
F16H	100			

	ISIC	IPC	%	Description aggregate sector	
8	3845	B64B	100	Aerospace	
		B64C	100		
		B64D	100		
		B64F	70		
		B64G	100		
9	3840 (except 3841, 3843, 3845)	B60G	30	Other transport	
		B60L	100		
		B60M	100		
		B60N	100		
		B60R	100		
		B61B	100		
		B61C	100		
		B61D	100		
		B61F	100		
		B61G	100		
		B61H	100		
		B61J	100		
		B61K	100		
		B61L	100		
		B62B	100		
		B62C	100		
		B62H	100		
		B62J	100		
		B62K	100		
		B62L	100		
		B62M	50		
10	3710	B21B	50	Ferrous basic metals	
		B21C	100		
		B22C	50		
		B22D	90		
		B22F	100		
		B22X	90		
		C21B	50		
		C21C	100		
		C21D	50		
		C22B	100		
11	3720	B21B	50		Non ferrous basic metals
		B22D	10		
		B22X	10		
		C21D	50		
		C22C	100		
		C22F	100		
		C22X	100		
		C30B	100		

	ISIC	IPC	%	Description aggregate sector
12	3810	A01G	10	Metal products, ex. machines
		A01K	30	
		A01L	100	
		A22B	50	
		A47B	60	
		A47C	60	
		A47D	50	
		A47F	55	
		A47G	10	
		A47H	40	
		A47J	10	
		A47K	50	
		A47L	50	
		A62C	100	
		B05B	50	
		B05X	50	
		B21D	100	
		B21F	100	
		B21G	100	
		B21H	100	
		B21J	100	
		B21K	100	
		B21L	100	
		B22C	40	
		B23B	100	
		B23C	100	
		B23D	100	
		B23F	100	
		B23G	100	
		B23H	100	
		B23K	100	
		B23P	100	
		B23Q	20	
		B24B	100	
		B24C	100	
		B24D	100	
		B25B	100	
		B25C	100	
		B25D	100	
		B25F	100	
		B25G	100	
		B25H	100	
		B26B	100	
		B26D	100	
		B26F	100	
		B27B	100	
		B27C	100	

ISIC	IPC	%	Description aggregate sector
(continued)	B27D	50	
	B27F	100	
	B27G	100	
	B27H	20	
	B27K	30	
	B27L	80	
	B27M	50	
	B44D	30	
	B65D	20	
	B65F	60	
	B65G	60	
	B67B	50	
	C23C	100	
	C23D	100	
	C23F	100	
	C23G	100	
	C25B	100	
	C25C	100	
	C25D	100	
	C25F	100	
	E01H	20	
	E03C	40	
	E03D	100	
	E03F	30	
	E04D	25	
	E04F	10	
	E04G	40	
	E04H	40	
	E05B	100	
	E05C	100	
	E05D	100	
	E05F	100	
	E05G	100	
	E06B	70	
	E06C	100	
	E21B	45	
	F16B	100	
	F16J	20	
	F16L	100	
	F16M	100	
	F16P	40	
	F16S	100	
	F17B	100	
	F17C	100	
	F17D	100	
	F22B	80	
	F22D	80	

ISIC		IPC	%	Description aggregate sector
(continued)		F22G	80	
		F22X	80	
		F24B	100	
		F24C	100	
		F24D	100	
		F24H	100	
		F24J	70	
		G04D	100	
		G21B	100	
		G21C	100	
		G21D	100	
		G21X	100	
13	3850	A61B	100	Instruments
		A61C	100	
		A61D	100	
		A61F	100	
		A61G	90	
		A61H	40	
		A61L	60	
		A61M	100	
		A61N	100	
		A62B	50	
		B01L	100	
		B64F	10	
		C12K	25	
		C12Q	100	
		F16P	60	
		F22B	20	
		F22D	20	
		F22G	20	
		F22X	20	
		F23N	100	
		F23Q	10	
		F24F	20	
		F41G	100	
		G01B	100	
		G01C	100	
		G01D	100	
		G01F	60	
		G01H	100	
		G01J	100	
		G01K	100	
		G01L	100	
		G01M	100	
		G01N	100	
		G01P	100	
		G01R	100	

ISIC	IPC	%	Description aggregate sector	
(continued)	G01S	100		
	G01T	100		
	G01V	100		
	G01W	100		
	G02B	100		
	G02C	100		
	G02F	100		
	G03B	100		
	G03C	100		
	G03D	100		
	G03G	100		
	G03H	100		
	G04B	100		
	G04C	100		
	G04F	100		
	G04G	100		
	G05B	100		
	G05C	100		
	G05D	100		
	G05F	100		
	G05G	100		
	G06D	100		
	G07B	100		
	G07C	100		
	G07D	100		
	G07F	100		
	G07G	100		
	G09G	100		
	G12B	100		
	G21F	100		
	G21G	100		
	G21H	100		
	G21K	100		
	H05G	100		
14	3825	B41J	100	Computers & office machines
		B41L	50	
		G06C	100	
		G06E	100	
		G06F	100	
		G06G	100	
		G06J	100	
		G06K	100	
		G06M	100	
		G11B	100	
		G11C	100	

	ISIC	IPC	%	Description aggregate sector
15	3820 (except 3825)	A01B	100	Other machinery
		A01C	100	
		A01D	100	
		A01F	100	
		A01G	10	
		A01J	80	
		A01K	30	
		A21B	100	
		A21C	100	
		A21D	30	
		A22B	50	
		A22C	70	
		A23C	10	
		A23G	10	
		A23N	100	
		A23P	100	
		A24C	100	
		A24D	50	
		A43D	100	
		A61H	30	
		A62B	30	
		B01B	100	
		B01D	100	
		B01F	100	
		B01J	100	
		B02B	50	
		B02C	100	
		B03B	100	
		B03D	100	
		B04B	100	
		B04C	100	
		B05B	50	
		B05C	95	
		B05D	100	
		B05X	50	
		B06B	100	
		B07B	100	
		B07C	100	
		B08B	100	
		B09B	25	
		B22C	10	
		B23Q	70	
		B25J	100	
		B27J	100	
		B28B	60	
		B28C	60	
		B28D	70	

ISIC	IPC	%	Description aggregate sector
(continued)	B29B	80	
	B29C	80	
	B29D	50	
	B29F	80	
	B29G	50	
	B29H	50	
	B29J	40	
	B30B	100	
	B31B	100	
	B31C	90	
	B31D	80	
	B31F	80	
	B41B	100	
	B41D	100	
	B41F	100	
	B41G	100	
	B42C	50	
	B60C	20	
	B65B	100	
	B65C	100	
	B65G	40	
	B65H	100	
	B66B	100	
	B66C	100	
	B66D	100	
	B66F	100	
	B66G	100	
	B67B	50	
	B67C	100	
	B67D	100	
	C02F	30	
	C10F	100	
	C12H	100	
	C12L	100	
	C12M	100	
	C13C	100	
	C13G	100	
	C13H	100	
	C14B	50	
	C14C	50	
	D01B	50	
	D01C	50	
	D01D	50	
	D01F	50	
	D01G	50	
	D01H	50	
	D02D	100	

ISIC	IPC	%	Description aggregate sector
(continued)	D02G	50	
	D02H	50	
	D02J	50	
	D03D	50	
	D03J	100	
	D04B	50	
	D04C	50	
	D04D	50	
	D04G	50	
	D04H	50	
	D06C	100	
	D06F	70	
	D06G	100	
	D06H	70	
	D21F	100	
	D21G	100	
	E01B	50	
	E01C	50	
	E01H	80	
	E02D	30	
	E03B	30	
	E04D	25	
	E21B	45	
	E21C	100	
	E21D	50	
	F01B	100	
	F01C	100	
	F01D	100	
	F01K	100	
	F01L	100	
	F01M	100	
	F01N	100	
	F01P	100	
	F02B	100	
	F02C	100	
	F02D	100	
	F02F	100	
	F02G	100	
	F02K	100	
	F03B	100	
	F03C	100	
	F03D	100	
	F03G	100	
	F03H	100	
	F04B	100	
	F04C	100	
	F04D	100	

ISIC	IPC	%	Description aggregate sector
(continued)	F04F	100	
	F15B	100	
	F15C	100	
	F15D	100	
	F16C	100	
	F16J	80	
	F16K	100	
	F16N	100	
	F16T	100	
	F23B	100	
	F23C	100	
	F23D	100	
	F23G	100	
	F23H	100	
	F23J	100	
	F23K	100	
	F23L	100	
	F23M	100	
	F23Q	60	
	F23R	100	
	F24F	80	
	F24J	30	
	F25B	100	
	F25C	100	
	F25D	100	
	F25J	100	
	F26B	100	
	F27B	90	
	F27D	100	
	F28B	100	
	F28C	100	
	F28D	100	
	F28G	100	
	F41A	100	
	F41B	100	
	F41C	100	
	F41D	100	
	F41F	100	
	F41H	50	
	F42B	100	
	F42C	100	
	F42D	50	
	G01F	40	
	G01G	100	
	G21J	100	

	ISIC	IPC	%	Description aggregate sector	
16	3100	A01J	20	Food, beverages, tobacco	
		A21D	70		
		A22C	30		
		A23B	100		
		A23C	90		
		A23D	100		
		A23F	100		
		A23G	90		
		A23J	100		
		A23K	100		
		A23L	100		
		A24B	100		
		A24D	50		
		C11B	50		
		C11C	50		
		C12B	100		
		C12C	100		
		C12D	10		
		C12F	100		
		C12G	100		
		C12J	100		
		C12N	20		
		C12P	50		
		C13D	100		
		C13F	100		
		C13J	100		
		C13K	100		
		C13L	100		
17	3200	A41B	100		Textiles, clothes, etc.
		A41C	100		
		A41D	100		
		A42B	100		
		A42C	100		
		A43B	100		
		A45C	100		
		A47H	20		
		B68B	100		
		B68C	100		
		B68F	100		
		B68G	100		
		C14B	50		
		D01B	50		
		D01C	50		
		D01D	50		
		D01F	50		
		D01G	50		
		D01H	50		

	ISIC	IPC	%	Description aggregate sector
	(continued)	D02G	50	
		D02H	50	
		D02J	50	
		D03C	100	
		D03D	50	
		D04B	50	
		D04C	50	
		D04D	50	
		D04G	50	
		D04H	50	
		D06B	100	
		D06H	30	
		D06M	100	
		D06P	100	
		D06Q	100	
		D07B	100	
18	3550+3560	A47G	50	Rubber and plastic products
		A47K	40	
		A61J	40	
		A62B	20	
		B29H	50	
		B60C	80	
		D06N	50	
		F42D	50	
19	3600	A47G	20	Stone, clay and glass products
		B28B	40	
		B28C	40	
		B28D	30	
		B29J	10	
		B65D	30	
		C03B	100	
		C03C	100	
		C04B	100	
		E04B	80	
		E04C	100	
		E04D	25	
		E06D	100	
20	3400	B27N	100	Paper, printing and publishing
		B31C	10	
		B31D	20	
		B31F	20	
		B41C	100	
		B41M	40	
		B41N	100	
		B42B	100	
		B42C	50	
		B42D	100	

ISIC		IPC	%	Description aggregate sector
(continued)		B42F	40	
		B44F	80	
		B65D	45	
		C02F	20	
		D06N	50	
		D21B	100	
		D21C	100	
		D21D	100	
		D21H	100	
		G03F	100	
		G09B	50	
21	3300	A47B	40	Wood and furniture
		A47C	40	
		A47D	50	
		A47F	45	
		A47H	40	
		A61G	10	
		B27D	50	
		B27H	80	
		B27L	20	
		B27M	50	
		B29J	50	
		D21J	100	
		E06B	30	
22	3900	A01G	80	Other industrial products
		A01K	40	
		A01M	80	
		A24F	100	
		A41F	100	
		A41G	100	
		A41H	100	
		A43C	100	
		A44B	100	
		A44C	100	
		A45B	100	
		A45D	60	
		A45F	100	
		A46B	100	
		A46D	100	
		A47G	20	
		A47K	10	
		A47L	10	
		A61J	30	
		A63B	100	
		A63C	100	
		A63D	100	
		A63F	100	

ISIC	IPC	%	Description aggregate sector
(continued)	A63G	100	
	A63H	100	
	A63J	100	
	A63K	100	
	B32B	100	
	B41K	100	
	B41L	50	
	B41M	30	
	B42F	60	
	B43K	100	
	B43L	100	
	B43M	100	
	B44B	100	
	B44C	100	
	B44D	20	
	B44F	20	
	D05B	100	
	D05C	100	
	D06F	30	
	D06J	100	
	D06L	100	
	F23Q	30	
	F41J	100	
	G09C	100	
	G09D	100	
	G09F	100	
	G10B	100	
	G10C	100	
	G10D	100	
	G10F	100	
	G10G	100	
	G10H	100	
	G10K	100	
	G10L	100	

	ISIC	IPC	%	Description aggregate sector
1	1000	A01H	100	Agriculture
24	4000	E03B	70	Utilities
		E03C	60	
		E03F	70	
25	5000	E01B	50	Building and construction
		E01C	50	
		E01D	100	
		E01F	100	
		E02B	100	
		E02C	100	
		E02D	65	
		E02F	98	
		E04B	15	
		E04F	90	
		E04G	60	
		E04H	60	
		E21B	10	
		E21D	50	
		E21F	100	