

General Directorate Strategy, People and Data

05/03/2026

Microdata on patents and utility models (PAT)

BELab user guide

OEPM

Available data: 2011 - 2025

DOI: 10.48719/BELab.PAT1125_01

CONTENTS

1	Introduction	1
2	Description of the data	1
3	Description of identifying variables	2
3.1	Applicant data for Patents and Utility Models	2
3.2	Inventor data for Patents and Utility Models	3
3.3	IPC codes (International Patent Classification) for patent and utility model applications	3

1 Introduction

The Data Laboratory of the Bank of Spain (BELab) provides information on applications filed and published at the Spanish Patent and Trademark Office (OEPM) in the categories of Patents and Utility Models, as supplied by the OEPM.

The dataset specifically includes information on applicants and inventors of patents and utility models and the International Patent Classification (IPC) codes.

2 Description of the data

Identification codes	Anonymized NIF / File identifier
Time horizon	From 2011 to 2025
Frequency	Annual
Data update frequency at BELab	Annual. In March of year N, data for year N–1 are updated.
Geographical coverage	Global. The applicant's residence or notification address may be in any country
Data source	Spanish Patent and Trademark Office (OEPM).
Citation of the information	Researchers are required to cite the data source as: BELab. OEPM. DOI: 10.48719/BELab.PAT1125_01
Data format	CSV
Universe	Applications filed and published at the Spanish Patent and Trademark Office (OEPM) in the categories of Patents and Utility Models

3 Description of identifying variables

3.1 Applicant data for Patents and Utility Models

Variable name	Description
MODALIDAD	P (Patent) or U (Utility model)
NUMERO_SOLICITUD	File identifier. Together with MODALIDAD, it can be used to view the file details on the OEPM website
CODIGO_POSTAL	Applicant's postal code (residence)
LOCALIDAD	Applicant's locality (residence)
PROVINCIA_RESIDENCIA_FK	Applicant's province of residence
PAIS_RESIDENCIA_FK	Applicant's country of residence
CODIGO_POSTAL_NOTIFICACION	Applicant's notification postal code
LOCALIDAD_NOTIFICACION	Applicant's notification locality
PROVINCIA_NOTIFICACION_FK	Applicant's notification province
PAIS_NOTIFICACION_FK	Applicant's notification country
NIF	Tax Identification Number of the applicant when the applicant is a company or public entity. For individual applicants, this field is left blank. This is the original data provided in the OEPM records.
RAZON_SOCIAL	Company or organization name of the applicant. Has the value " Particular " when the applicant is an individual.
ORDEN	For applications with multiple applicants, indicates the order in which the applicant appears on the application form
FECHA_SOLICITUD	Filing date of the application
FECHA_PUBLICACION	Publication date of the application in the Official Bulletin (BOPI).
NIF2	Applicant's Tax Identification Number that has been reviewed, corrected, and completed through validation processes and name-based matching.
NIF3	Applicant's Tax Identification Number enhanced with additional matches identified using high-confidence AI models.

3.2 Inventor data for Patents and Utility Models

Variable name	Description
MODALIDAD	P (Patent) or U (Utility model)
NUMERO_SOLICITUD	File identifier. Together with MODALIDAD , it can be used to view the file details on the OEPM website
CODIGO_POSTAL	Inventor's postal code (residence)
LOCALIDAD	Inventor's locality (residence)
PROVINCIA_RESIDENCIA_FK	Inventor's province (residence)
PAIS_RESIDENCIA_FK	Inventor's country (residence)
NOMBRE	Takes the values "Inventor1" and "Inventor2" in cases where there are two inventors

3.3 IPC codes (International Patent Classification) for patent and utility model applications

Variable name	Description
MODALIDAD	P (Patent) or U (Utility model)
NUMERO_SOLICITUD	File identifier. Together with MODALIDAD, it can be used to view the file details on the OEPM website.
CIP	IPC code (International Patent Classification) assigned to the patent or utility model application
TIPO_CLASIFICACION_EXP_FK	Specifies the moment when the classification is added to the file. Possible types by id: 5 -> IPC - Publication - Invention 6 -> ICP - Grant - Invention 13 -> IPC - Publication - Additional 14 -> IPC - grant - Additional

Note: To merge the files, “MODALIDAD” and “NUMERO_SOLICITUD” must be used (for example, by concatenating them). Each case file (“MODALIDAD” + “NUMERO_SOLICITUD”) may have more than one applicant and more than one CIP code.