

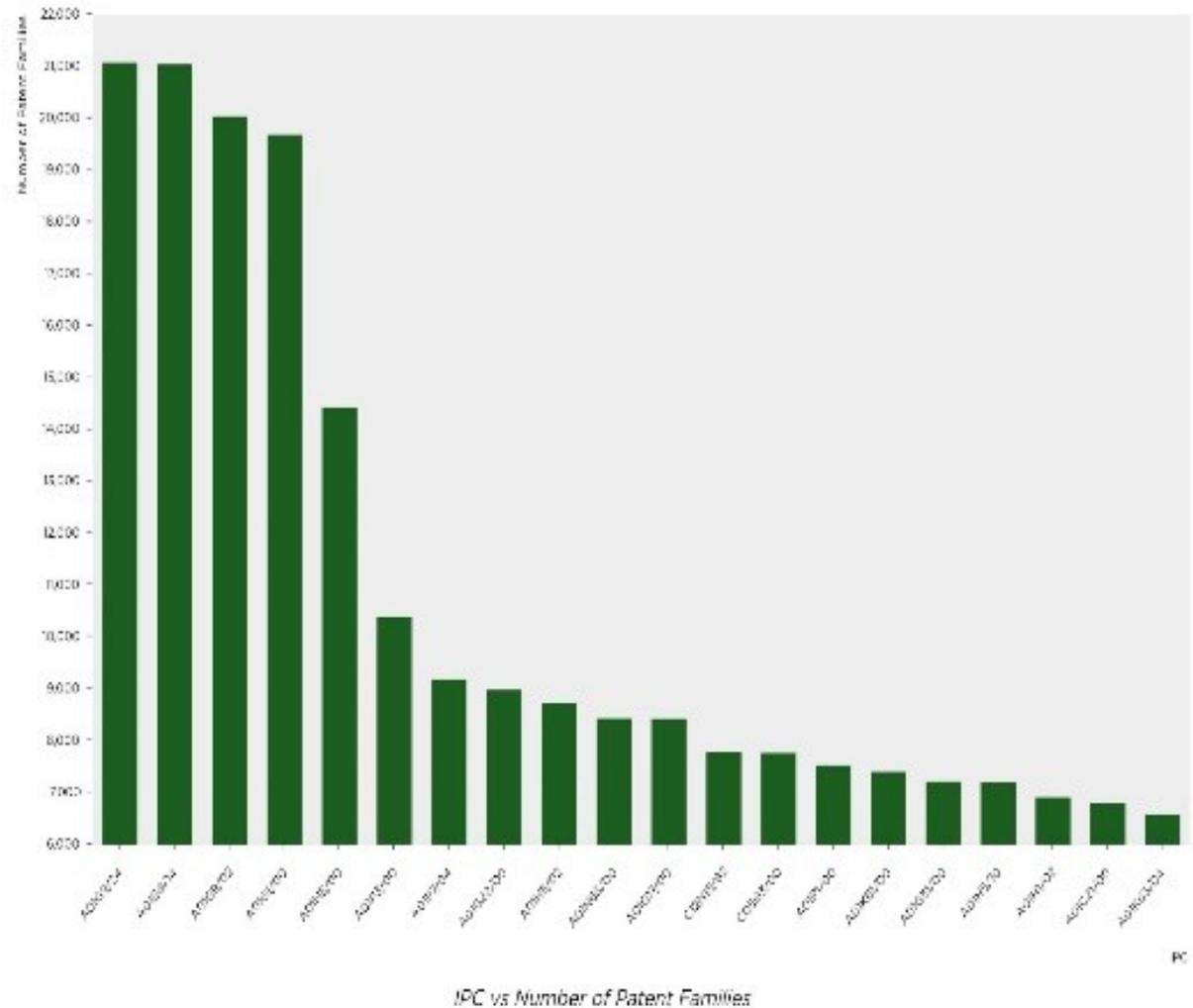


SUSTAINABILITY INSIGHTS REPORT

Following on from our first forum on Sustainability on 27 January 2021, we have researched to what extent the Agriculture, Construction and Food sectors are developing technologies targeting sustainability or the environment. The following graphs each show which technology areas are producing the most patents or patent applications (as published) within the last 12 months, for Agriculture (green), Construction (blue) and Food (red) and which have a sustainability or environmental focus.

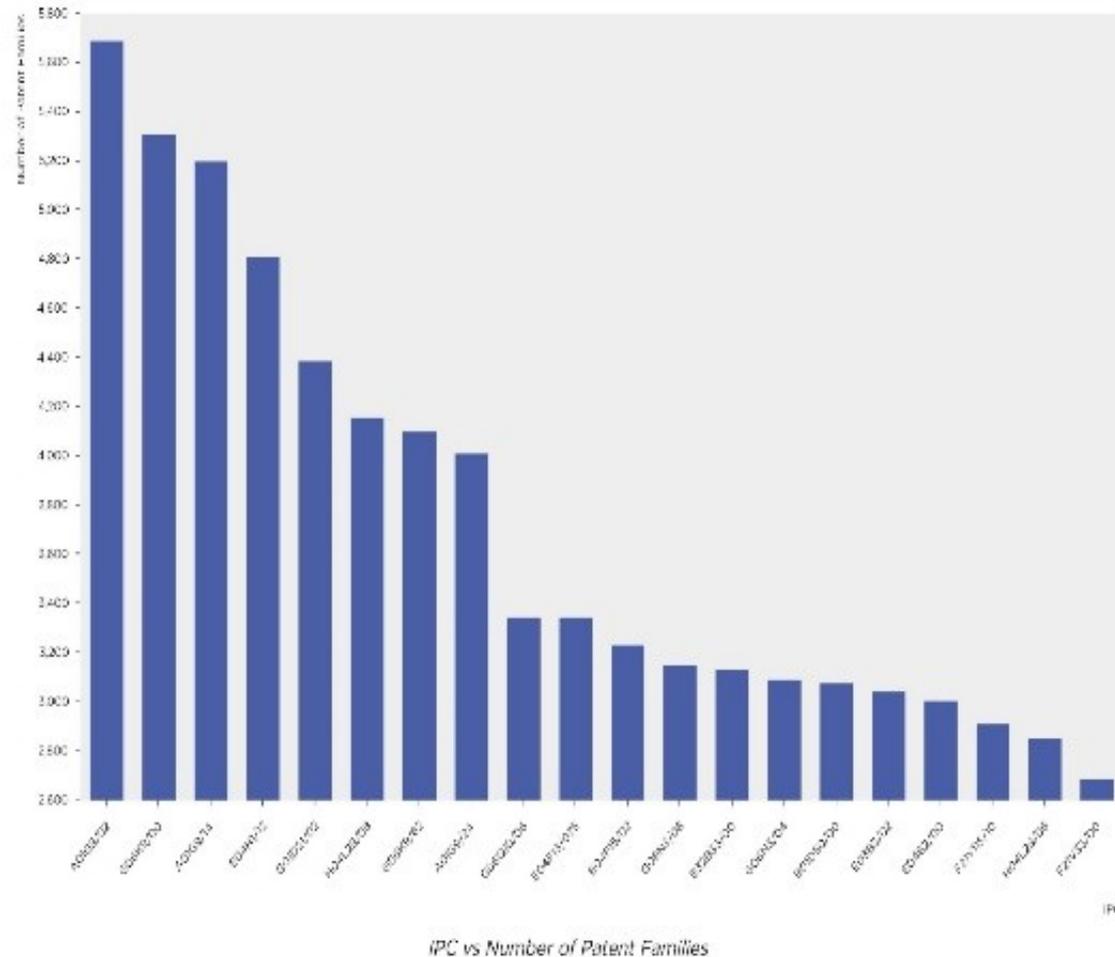
Agriculture

- Top tech areas are greenhouses (A01G9) and flowering plants (A01H5/00).
- Within the greenhouse industry, environmental control (A01G9/24), greenhouse design (A01G9/14), and plant containers (A01G9/02) are top on the agenda.
- We know that global warming has created uncommon climate patterns
- Scientists appear to have taken to glass houses to take out the environmental variable and increase production.



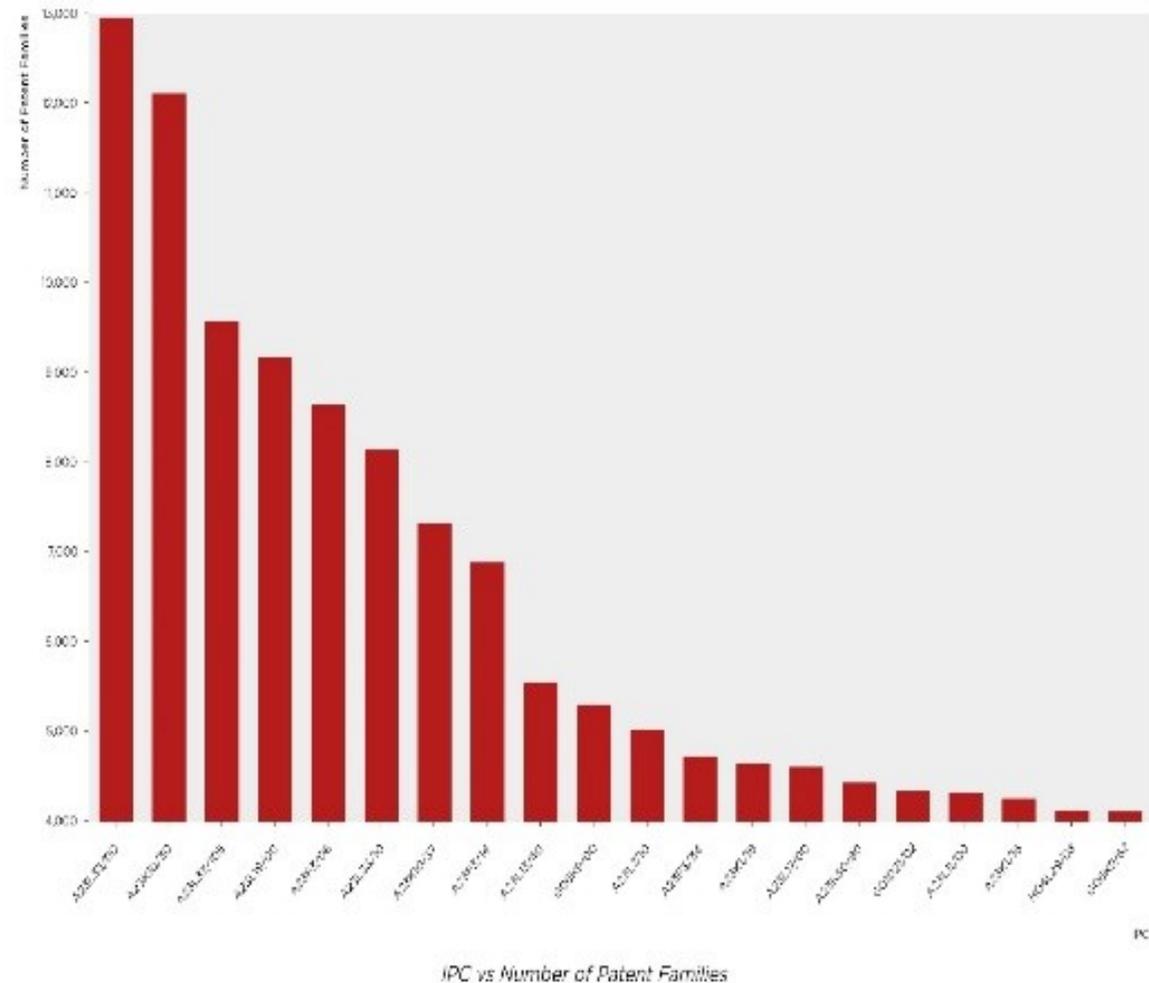
Construction

- Sustainability is featured in building and construction derived patents across the board.
- Plant containers (A01G9/02), methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints (G06K9/00), greenhouse design (A01G9/14) and small buildings E04H1/12 are the highest scorers.
- Fingerprints in building control systems is most likely a reference to access control and people tracking, whilst the drive towards small buildings is understandable given the reduced environmental impact of such innovations.



Food

- Food is a hot and emotive topic when it comes to sustainability.
- The two most common fields tackling sustainability are in the modification of the nutritive qualities of foods (A23L33/00) and animal feedstuffs from material of plant origin, e.g. roots, seeds, mushrooms/ microbiological or biochemical processes (A23K10/30).
- This demonstrates the growing world trend to make existing foodstuffs go further and last for longer, and for looking for alternative sources of food.



If you would like any further details on our research then please do not hesitate to get in touch at enquiries@loven.co.uk, or call 01522 801111, @loveniplaw.

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