Regional Intellectual Property Organization and US$ 30 000 at the Organisation africaine de la propriété intellectuelle to register and maintain a 30-page patent for the first ten years. This compares with US$ 5 216 in South Africa, US$ 4 330 in Malaysia and just US$ 2 500 in the UK (see chapter 19).

**Start-ups being snapped up by foreign multinationals**
Fewer than half of the patents obtained by inventors from Israel are owned by Israeli companies. This means that knowledge is being created in Israel then transferred to a foreign company. Increasingly, Israeli intellectual property is being obtained by means of the acquisition of Israeli firms and start-ups. The most active corporate buyers of Israeli companies since 2014 have been Google, Microsoft and Intel. The potential consequences of this growing trend are that production and jobs could both migrate abroad (see chapter 16).

In Canada, foreign-controlled firms account for one-third of all in-house R&D. Industry is increasingly outsourcing research abroad: outsourced research expenditure by companies in Canada rose for the third consecutive year to Can$ 4.9 billion in 2017, according to Statistics Canada. Although macro-economic conditions and the regulatory environment appear to be conducive to business creation and development, Canada’s promising start-ups are often being acquired and developed in other countries. Survey evidence from Canadian firms and technology stakeholders also suggests that a lack of managerial talent and experience in expanding domestic technology firms to scale is a critical impediment (see chapter 4).

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**Figure 1.11: Mutually reinforcing effect on patenting of strong research investment by government and industry, 2018 or closest year**

*Among countries with at least 100 granted IP5 patents and a research intensity of at least 0.5% of GDP in 2018*

The size of circles is proportionate to the number of IP5 patents per million inhabitants.

Note: The contribution from the business enterprise sector may be an underestimate for countries that do not comprehensively survey this sector.