

Accepted Manuscript

Title: Does stronger intellectual property rights protection foster structural change? Effects of heterogeneity in innovations

Author: Anton Bondarev



PII: S0954-349X(16)30152-7

DOI: <https://doi.org/doi:10.1016/j.strueco.2018.03.005>

Reference: STRECO 705

To appear in: *Structural Change and Economic Dynamics*

Received date: 7-12-2016

Revised date: 15-1-2018

Accepted date: 14-3-2018

Please cite this article as: Anton Bondarev, Does stronger intellectual property rights protection foster structural change? Effects of heterogeneity in innovations, *Structural Change and Economic Dynamics* (2018), <https://doi.org/10.1016/j.strueco.2018.03.005>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Does stronger intellectual property rights protection foster structural change? Effects of heterogeneity in innovations

Anton Bondarev *

January 15, 2018

Abstract

This paper studies the question how changes in intellectual property rights (IPR) regime affect relative innovation intensity for multinational large enterprises (MNEs) and local firms. The R&D process is doubly-differentiated, allowing both for variety-expanding and productivity-improving innovations. The IPR regime is abstracted as an effective duration of patent protection. From one side stronger IPR foster R&D activities of the MNE, which is in agreement with other findings. From the other side the local innovative activity is threatened by stronger protection. Depending on technical characteristics of the underlying R&D processes, the strengthening of the uniform one-size-fits-all IPR creates productivity bias or variety bias. Moreover, if technologies are heterogeneous, this bias varies over time implying the necessity of technology-specific heterogeneous IPR protection regimes to foster structural change and avoid technology lock-ins.

Keywords: heterogeneous innovations, intellectual property rights, structural change, double differentiation, technology lock-in

JEL codes: C02, L0, O31.

*anton.bondarev@unibas.ch, Department of Business and Economics, University of Basel, Peter Merian-Weg, 6, 4002, Basel, Switzerland.

Author thanks F. Krysiak, H. Dawid and three anonymous reviewers for helpful comments on the earlier versions of the paper. This research is partially financed through the project SCCER CREST (Swiss Competence Center for Energy Research) funded by the CTI (Swiss Commission for Technology and Innovation), (contract number KTI.2014.0114).

Download English Version:

<https://daneshyari.com/en/article/10153822>

Download Persian Version:

<https://daneshyari.com/article/10153822>

[Daneshyari.com](https://daneshyari.com)