

Elenice Biazi (CEDEPLAR-UFMG, Brazil)

Eduardo da Motta e Albuquerque (CEDEPLAR-UFMG, Brazil)

TRANSNATIONAL CORPORATIONS AND
PATENTING ACTIVITIES IN BRAZIL:

data description and statistical tests about the relative internalization
of technological activities

ABSTRACT

This paper presents data and statistical tests about an index of “relative internalization of technological activities” (RITA, henceforth) of transnational corporations located in Brazil. This indicator is the ratio between the non-resident patents applied by the headquarters of the transnational corporations to the *Instituto Nacional de Propriedade Industrial* (INPI) and the resident patents applied by their subsidiaries.

This paper describes the leading transnational corporations in non-resident patenting. The data are processed to investigate the correlation between the RITA indexes of each corporation and their characteristics such as 1) industrial sector; 2) technological class; 3) nationality; and 4) size. These statistical relations are calculated using Principal component analysis and regression analysis.

KEY WORDS

transnationals – internalization of technological activities – patents – statistical tests – developing countries

JEL CLASSIFICATION: O33