



THESIS APPROVAL
GRADUATE SCHOOL, KASETSART UNIVERSITY

Doctor of Philosophy (Chemistry)

DEGREE

Physical Chemistry

FIELD


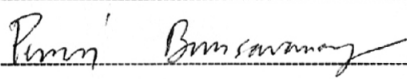
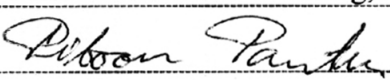
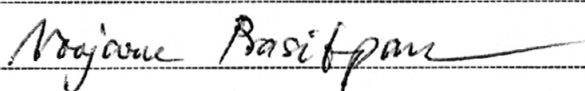
Chemistry

DEPARTMENT

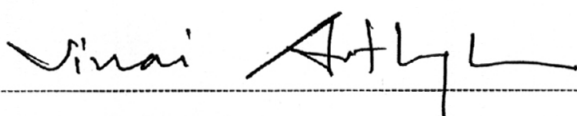
TITLE: Vapor Phase Beckmann Rearrangement on Industrial Nanocatalysts:
Structure and Reaction Mechanisms

NAME: Mr. Jakkapan Sirijaraensre

THIS THESIS HAS BEEN ACCEPTED BY

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APPROVED BY THE GRADUATE SCHOOL ON 31 May 2006

	DEAN
(Associate Professor Vinai Artkongharn, M.A.)	