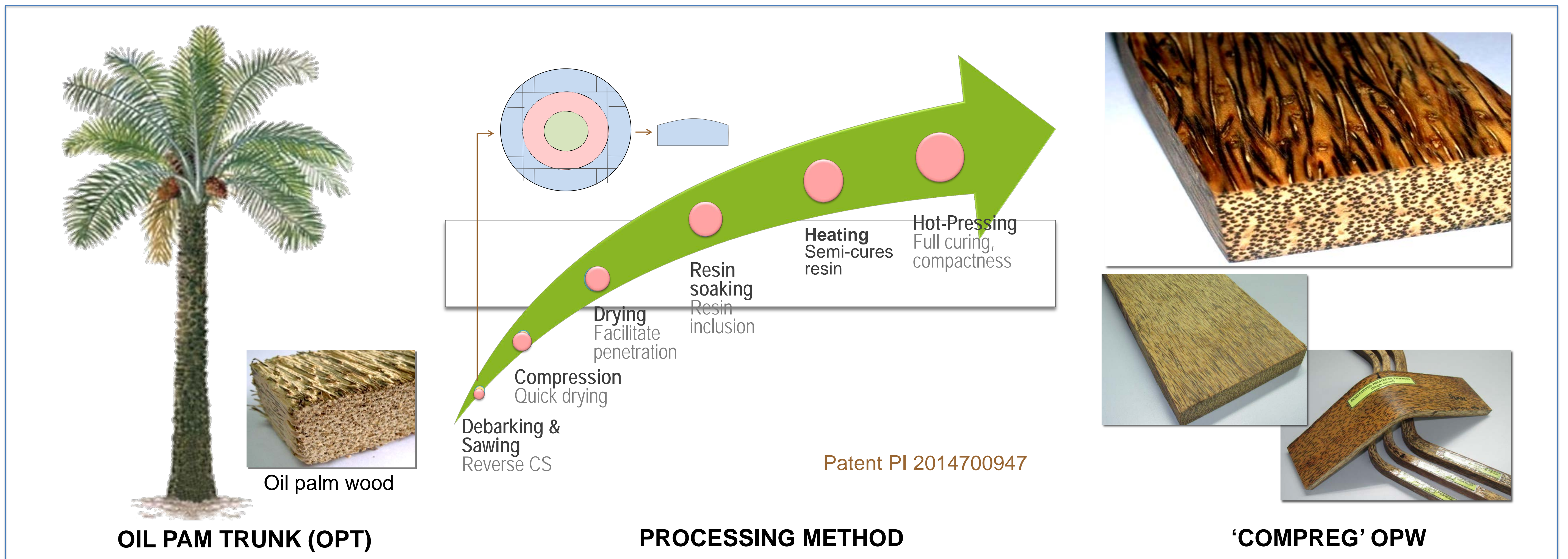


A Method of Producing 'Compreg' Oil Palm Wood

IPR NO: PI 2014700947



INTRODUCTION OF TECHNOLOGY

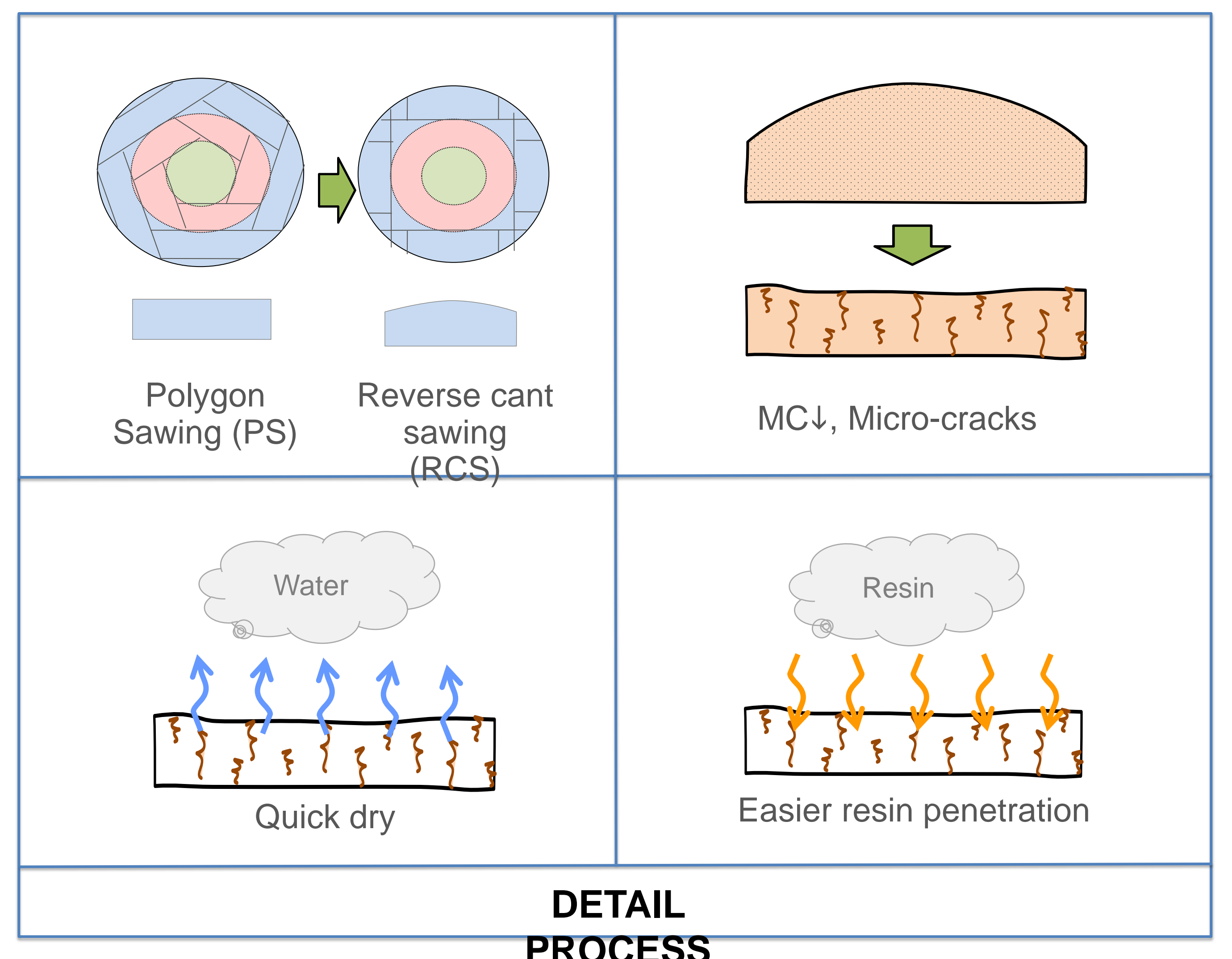
OPW from underutilized oil palm trunks can only be used as alternative wood material upon properly treated, and the 5-step processing method is the best current practice for the treatment producing high-performance *compreg* OPW. However, the method involves very long and difficult processes that make it is not attractive to industry. Thus need further innovation.

INVENTION

A new practical, efficient processing method for producing 'compreg' OPW was patented (PI 2014700947). The unique 6-step method is characterized with an integrated objective approach. The trunk is sawn and dried in a different way that make the entire process much faster, producing 'compreg' OPW with the properties comparable to those produced with the current method.

ADVANTAGES

- Easier sawing process with simple machine and operator.
- Faster drying process (30 days to 3days).
- Easier resin inclusion (impregnation to soaking).
- Faster heating process (24h→8h).
- Faster overall processing time (8x)→ cheaper cost.



MARKET POTENTIAL

Consumer/End User

- Residential home
- Commercial buildings

Industry

- Local & global wood industries.
- Local & global oil palm plantations.
- General investors, etc.



Project Leader : Assoc. Prof. Dr. Edi Suhaimi Bakar
 Dept./Faculty : Introp & Faculty of Forestry, Universiti Putra Malaysia (UPM)
 Email : edisuhaimi@upm.edu.my
 Phone : +603-8946-7165
 Expertise : Wood Processing and Quality Enhancement

www.sciencepark.upm.edu.my

For licensing information, contact promosi@upm.edu.my / 03-97692187