

Patent Briefing

ENGN0030

Introduction to Engineering

October 31, 2007

Find the Patent

Portable ab/back exercise machine that
uses hydraulic resistance



<http://www.foxyfit.com/equipment.html>

Design Project

Embodiment Design Report

Due November 21

Part ii b

This report should include ... “evidence the design does not infringe on any known patents.”

Patent

- Intellectual property
- Grant by a government of the exclusive right to an invention for a limited time (typically 20 yrs) in a geographical boundary
 - New (can be an incremental improvement) solution to a technical problem
 - involves an inventive step (non-obvious to those experienced with the technology area)
 - capable of industrial application
- Each claim defines the invention & is for legal protection
- Disclosure of best mode(s) to practice the invention by someone “skilled in the art”
- Fees required before and after issued

Prior Art Literature Worldwide

- Patents – free and fee-based databases
- Non-patents including journals, magazines, websites, conferences, government documents, and company brochures – free and fee-based

If any part of a claim is found in prior art literature, the examiner will deny the claim.

Infringement

- Someone has made a product or used a process with technical characteristics that are the same or very similar to an invention
- The owner of the invention takes action against infringing party

Referencing Patent Literature

- In a paper or report bibliography

Patentee (Applicant), A.A (+et. al if more than 1) , issuing State with Patent or Patent Application number, issue (publication) date

Sasaki, D.Y. et al, US Patent 6,962,747, 8 November 2005.

Pedersen, L.A. et al, World Patent 9,202,456, 20 February 1992.

- For a U.S. patent application information needed

- U.S. Patents

Document number, kind code (if known), date, name, & pages, columns, lines where relevant pages or figures appear

6962747 b1 11/8/2005 Sasaki et al col4, l45

- Foreign Patents

Document number, country code, date, name, & pages, columns, lines where relevant pages or figures appear

9202456 WO 2/20/1992 Pedersen et al WO B01J21/04 col6, l50&60