



**The Chinese University of Hong Kong
Non-confidential Abstract of Technology Disclosure**

Title: Online Algorithm for Finding Top Scanners in High Speed Network

CUHK Ref. No.: 08/ENG/302

Inventor(s): Professor Dah Ming CHIU, Department of Information Engineering

Patent Status: US Patent Pending

Non-confidential abstract:

Disclosed is a system for catching top users, comprising: a flow filter configured to test whether a packet in a flow satisfies a predetermined constraint; an identifier configured to get candidate users with estimated flow numbers thereof according to the result of the flow filter; an estimator configured to select users from the candidate users and update the estimated flow numbers thereof; and an output module configured to output the selected users.

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