

Six slides:

Invention-disclosure meetings:

A 'one and done'* approach

* *Mostly*

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The traditional process
for drafting & reviewing
patent applications



A better way:
Don't take notes during
the disclosure meeting (!)





- Instead:** Draft, *with the inventors*, in real time:
1. actual **claims** – starting with a ‘business plan’ method claim;
 2. explanatory ‘footnotes’ *in complete sentences*;
 3. an introduction and summary.



Result: An organized, methodical write-up:

- in coherent sentences and paragraphs
- ‘blessed’ by inventors
- easy to edit into a conventional patent application



Inventors like giving real-time feedback about the wording



Lawyers like the BIG head start on legal drafting



Applications get filed faster
(file a same-day provisional?)



Cost: Comparable, or better

'Proof of concept' examples:

US05631830A

United States Patent [19] **Patent Number:** **5,835,869**
Schroeder [45] **Date of Patent:** ***Nov. 10, 1998**

[54] **DUAL-CONTROL SCHEME FOR IMPROVED MISSILE MANEUVERABILITY**
 [75] Inventor: **Wayne K. Schroeder, Arlington, Tex.**
 [73] Assignee: **Lockheed Martin Corporation, Bethesda, Md.**

[*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,631,830.

[21] Appl. No.: **886,211**
 [22] Filed: **May 19, 1997**

Related U.S. Application Data

[63] Continuation of Ser. No. 303,720, Feb. 3, 1995, Pat. No. 5,631,830.
 [51] Int. Cl. **G06F 19/00**
 [52] U.S. Cl. **7014, 2443.21, 2443.22, 7011, 5.4, 2443.21, 2443.22, 3.1, 3.15, 176, 177**
 [58] Field of Search

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16 Claims, 13 Drawing Sheets

[U.S. Patent No. 5,631,830](#): *Dual-control scheme for improved missile maneuverability.*
 Assignee: Lockheed Martin Corp. (no endorsement implied)

US05917822A

United States Patent [19] **Patent Number:** **5,917,822**
Lyles et al. [45] **Date of Patent:** **Jun. 29, 1999**

[54] **METHOD FOR PROVIDING INTEGRATED PACKET SERVICES OVER A SHARED-MEDIA NETWORK**
 [75] Inventors: Joseph Bryan Lyles, Mark E. Lumbach, both of Mountain View; Scott M. Quinn, San Francisco, all of Calif.
 [73] Assignees: **Norva Corporation, Stanford, Conn.; COMET, Inc., Mountain View, Telesis Technologies Laboratory, San Ramon, both of Calif.**

[21] Appl. No.: **06/634,507**
 [22] Filed: **Apr. 12, 1996**

Related U.S. Application Data

[60] Provisional application No. 60/006,796, Nov. 15, 1995.
 [51] Int. Cl. **H04J 3/24**
 [52] U.S. Cl. **370395, 370431, 34812, 34813**
 [58] Field of Search **370389, 342, 370397, 399, 404, 412, 431, 443, 449, 408, 395, 3487, 12, 13, 309**

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ABSTRACT

A method in accordance with the invention allocates bandwidth, fairly and dynamically, in a shared-media packet switched network to accommodate both elastic and inelastic applications. The method, executed by or in a bandwidth controller, allocates bandwidth transmission slots, computing requests for bandwidth into virtual scheduling times for getting access to the shared media. The method can use a weighted fair queuing algorithm or a virtual clock algorithm to generate a sequence of upstream slot transmission weight-most grants. The method supports multiple quality of service (QoS) classes via mechanisms which give highest priority to the service class with the most stringent QoS requirements.

20 Claims, 6 Drawing Sheets

[U.S. Patent No. 5,917,822](#): *Method for providing integrated packet services over a shared-media network.* Assignee: Xerox PARC (Palo Alto Research Center) (no endorsement implied)