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Research

it would be a bright red could be compared to a car, Ferrari IF Ted Selker's brain

before whizzing off in a new pausing only a hundred kilometres an hour, His mind races at more than

miss the point. tration when technology but exuding frusling in the invention of new nallmarks of a genius, revelessor, but he carries all Dr Selker is no mad promere

eras that track the movements tables, computerised fitness gent couches, virtual coffee trainers, and computer cam-He lives in a world of intelli

Selker is out there - right out payroll of staid, old IBM, For someone who is on the

brain theory." he says. "My two theses were on

out of mechanical things. forte. I have to create function way people think. That's "I want to understand the

the rat-a-tat-tat of a machine He enunciates the words like

inventing since he was two. The big difference, today, is

convince a company like IBM

one second off that time.

Selker says he has been

keep coming up with ideas. attached. His brief is simple: that he gets paid for it. As an IBM Fellow, he has an ed into all notebooks. that this should be implement-Selker researched eye and co-ordination

team of developers, he is not Together with his 27-strong amount of pressure exerted by algorithm to match how fast using a computer. He wrote an the mouse should move the compared with

works with how your works," Selker says. "C tried to copy it. but they were never as good. In the end, IBM licensed the Track Point tech-"I matched how a computer "Others

nology to other companies. igure, the 70-year-old Joe Rut. Selker invented Track Point

any other mouse. he declares. "It does 20

H and B keys.

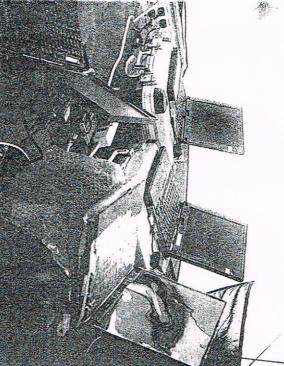
books, nestled between the G. the keyboard of most notelittle dot of a mouse that sits in to fame, is Track Point - that three projects have gone into idle. In the past year he has registered His best idea, and his claim a linger.

Selker rattles off the logic of

"I'll tell you: your hand takes

concept to appear in a com-

It took seven years for the



Innovation: IBM computers used to track mountaineers? physical condition on Mt Everest

to go from the keyboard to the one and three-quarter seconds mouse. The Track Point takes 10.000 man-hours. mercial computer. Selker says the development time was

believe the result," he says. Point, many people could not "After we produced Track

more efficient. tives. Track Point is 20 per cent product even if it is only 5 per cent better than the alternausers express preference for a "In our research we found

back when an error is made, or provides the similar jarring Rumble pack in a Nintendo 64. feeling that is provided by a special effect is required. It Track Point that pushes Today, Selker is developing

stem to give forced feedback. per wire wrapped around its Track Point relies on a cop-

page on the screen. notebook will scroll down a browsing. Click on it and the mysterious blue-striped bar on the new IBM ThinkPad 770s Selker is also behind the

ally impaired. way, designed to magnify the text and graphics for the visu-A second blue bar is on the

cal condition Selker has helped track of mountaineers' physi wearable computers that keep A keen mountain climber,

at high altitudes. perature." he says. such as glacial dust and tem-"There are many problems,

a computer does not spin high uspons At high altitudes the disc of

to build a wearable, functional PC, based on the ThinkPad engineers at IBM's Fujisawa plant in Japan just three days It took Selker, his team and

board. just the next generation of IBM ThinkPads on his white-And Selker has more than

versity and Massachusetts A lecturer at Stanford Uni-

Institute of Technology (MIT). Selker runs a 27-strong team dedicated to launching an era of technology. unsuspecting world into a new

where via a worldwide network that can project information glass tablets on coffee tables that can be replicated any Essentially, this is an office Selker paints a vision

(radio frequency) transmitter. 'intelligent couch" with a RF His team has also devised an

on to a wall, or even an interac-

couch will let you know. device unveiled by IBM in read your itinerary for the day Tokyo two week ago wearable late,

happens if you ignore it. built this couch vorks! But it is unclear what Selker says his team has and

you looked at them. click on Web links just because abs is a computer that will Another project in the IBM

monitor and watches your eye camera that sits on top of The Selker team has built a

camera sends a signal to the link, or an advertisement, the If you look long enough at a

Computers have a problem But if you gaze at it, for 40 milliseconds, then the comwhich takes 10 milliseconds puter will do something,' he the computer does nothing

invention, declaring: "It always surprises me that things don't He has an interesting intelperspective on

wouldn't want of them. That would be embar beautiful women popping up on your screen at any time of But there are limits: "You pictures

More information:

moing Big Blue's peal

One of his projects is code named Room With A View

It is supposed to log into your

hard drive to click through "If you glance at a link

Why shouldn't they?"

www.almaden.ibm.com/u/selker



Climb any mountain: IBM research chief Ted Selker is a keen climber