Title (en)
USER INTERFACE

Title (de)
BENUTZERSCHNITTSTELLE

Title (fr)
INTERFACE UTILISATEUR

Publication
EP 1032872 A1 20000906 (EN)

Application
EP 98954602 A 19981116

Priority
• EP 98954602 A 19981116
• EP 98306261 A 19980805
• GB 9803441 W 19981116
• GB 9724277 A 19971117

Abstract (en)
[origin: WO9926126A1] A gaze tracker for a multimodal user interface uses a standard videoconferencing set on a workstation to determine where a user is looking on a screen. The gaze tracker uses the video camera (100) to make a quantised image of the user's eye. The pupil is detected in the quantised image and a neural net (125) is used in training the gaze tracker to detect gaze direction. A pre-processor (115) may be used to improve the input to the neural net. A Bayesian net (140) is used to learn the relationship between response time and accuracy for the output of the neural net so that a user's externally set preference can be accommodated.

IPC 1-7
G06F 3/00

IPC 8 full level
A61B 3/113 (2006.01); **G06F 3/00** (2006.01); **G06F 3/01** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP US)
A61B 3/113 (2013.01 - EP); **G06F 3/013** (2013.01 - EP US); **G06F 18/2414** (2023.01 - EP); **G06V 40/168** (2022.01 - EP US); **G06V 40/193** (2022.01 - EP US)

Citation (search report)
See references of WO 9926126A1

Cited by
US10521014B2; US10515474B2; US11195316B2; US10943100B2; US11328533B1; US11495053B2; US11709548B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9926126 A1 19990527; AU 1165799 A 19990607; EP 1032872 A1 20000906

DOCDB simple family (application)
GB 9803441 W 19981116; AU 1165799 A 19981116; EP 98954602 A 19981116