Low Cost Digital Photogrammetric System for Education and Training

Shunji Murai
Institute of Industrial Science
University of Tokyo
7-22 Roppongi, Minatoku
Tokyo, Japan
Fax 81-3-479-2762

Abstract

In the conventional education and training of photogrammetry, a stereo-mirror scope and a parallax measurement bar are used, which has limitation to obtain precise orientation and accuracy.

In the computer age, it becomes very easy to develop a low cost digital photogrammetry system with a similar performance as an analytical plotter if a personal computer, a digitizing table with two cursors attached to stereoscope and software of bundle adjustment with selfcalibration are combined together as shown in Figure.

In cooperation with TOPCON, the author has succeeded to obtain a patent from European Patent Office for the above system on June 27, 1989.

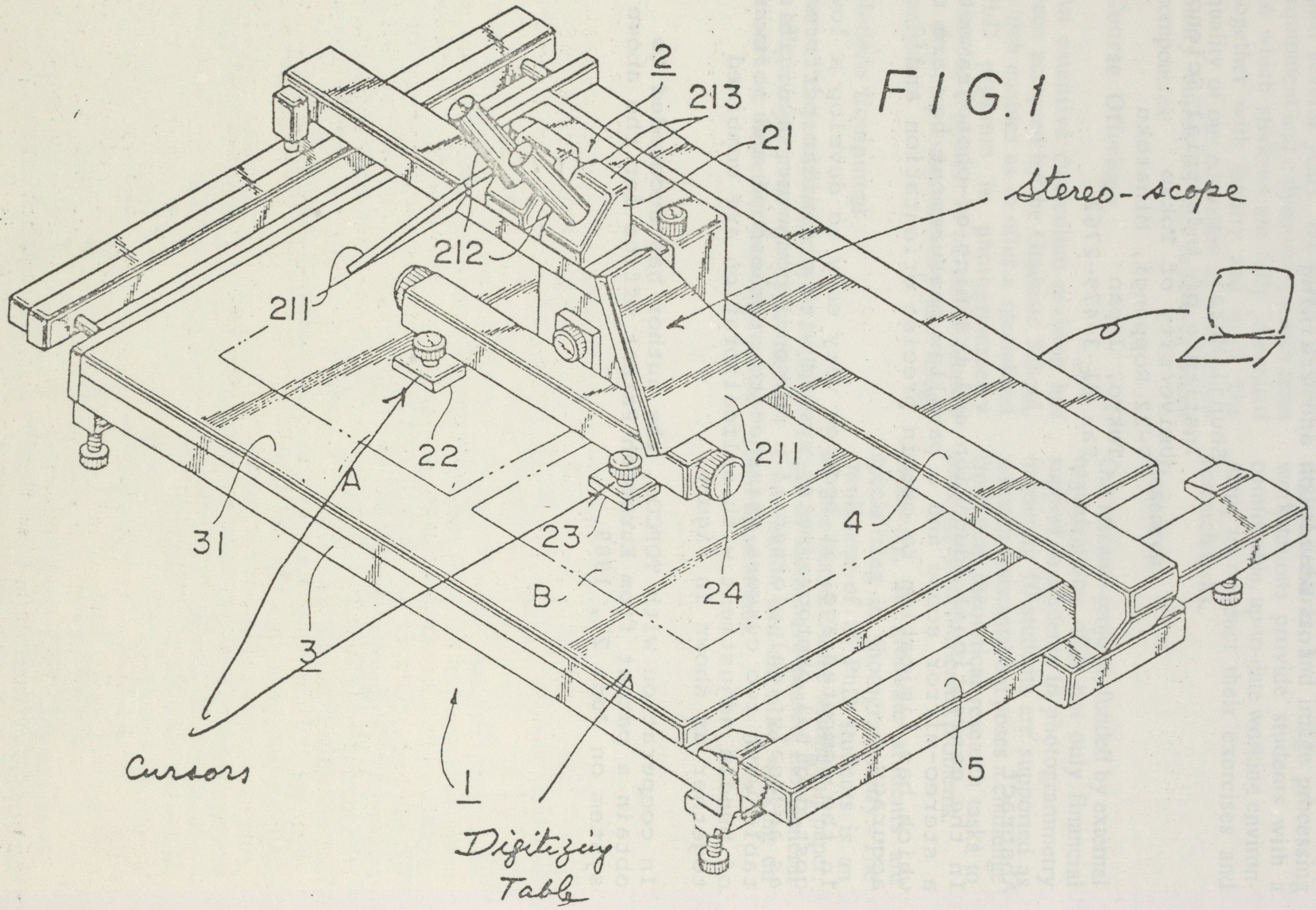

FIG. 1

Teoc

Phot
resp
Soci
disc
mapp
impo
howe
ques
stud
prof

to e
argu
tech
disc
the

resp
is a
terr
at l
far
surv
lega
diff
give

*T.J.