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Perski et al.

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(54) **DUAL FUNCTION INPUT DEVICE AND METHOD**

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(73) Assignee: **N-trig Ltd.**, Tel-Aviv (IL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/270,373**

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(65) **Prior Publication Data**

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Related U.S. Application Data

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(51) **Int. Cl.**⁷ **G09G 5/00**

(52) **U.S. Cl.** **345/173; 345/179**

(58) **Field of Search** 345/173-179;
178/18.01-18.07, 19.01-19.06

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(57) **ABSTRACT**

Apparatus for user input to a digital system, comprising a first sensing system for sensing a user interaction of a first type, co-located with a second sensing system for sensing a user interaction of a second type. The first system may detect styluses and like objects using EM radiation and the second system may detect touch pressure.

15 Claims, 11 Drawing Sheets

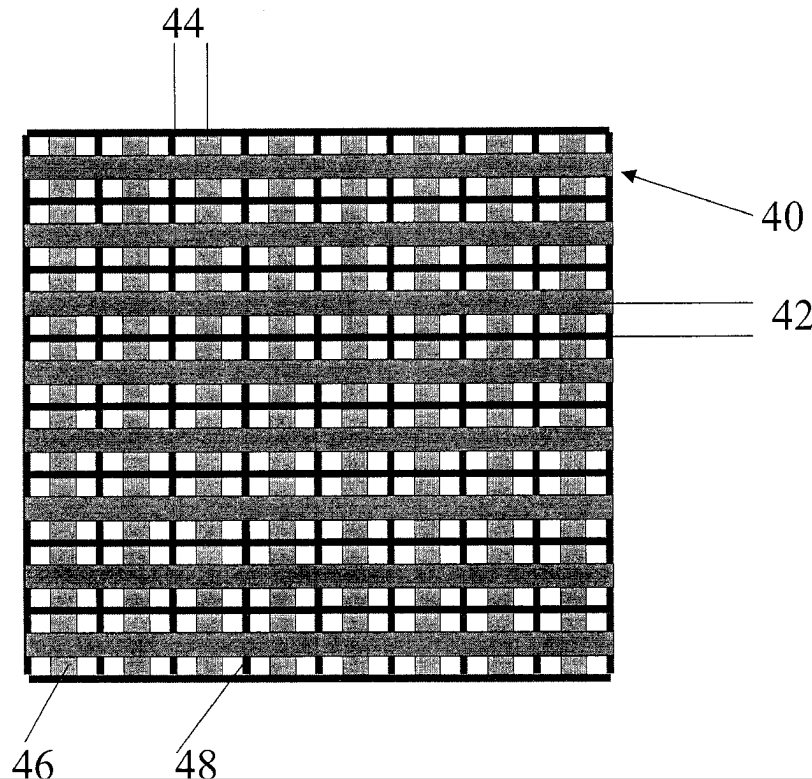
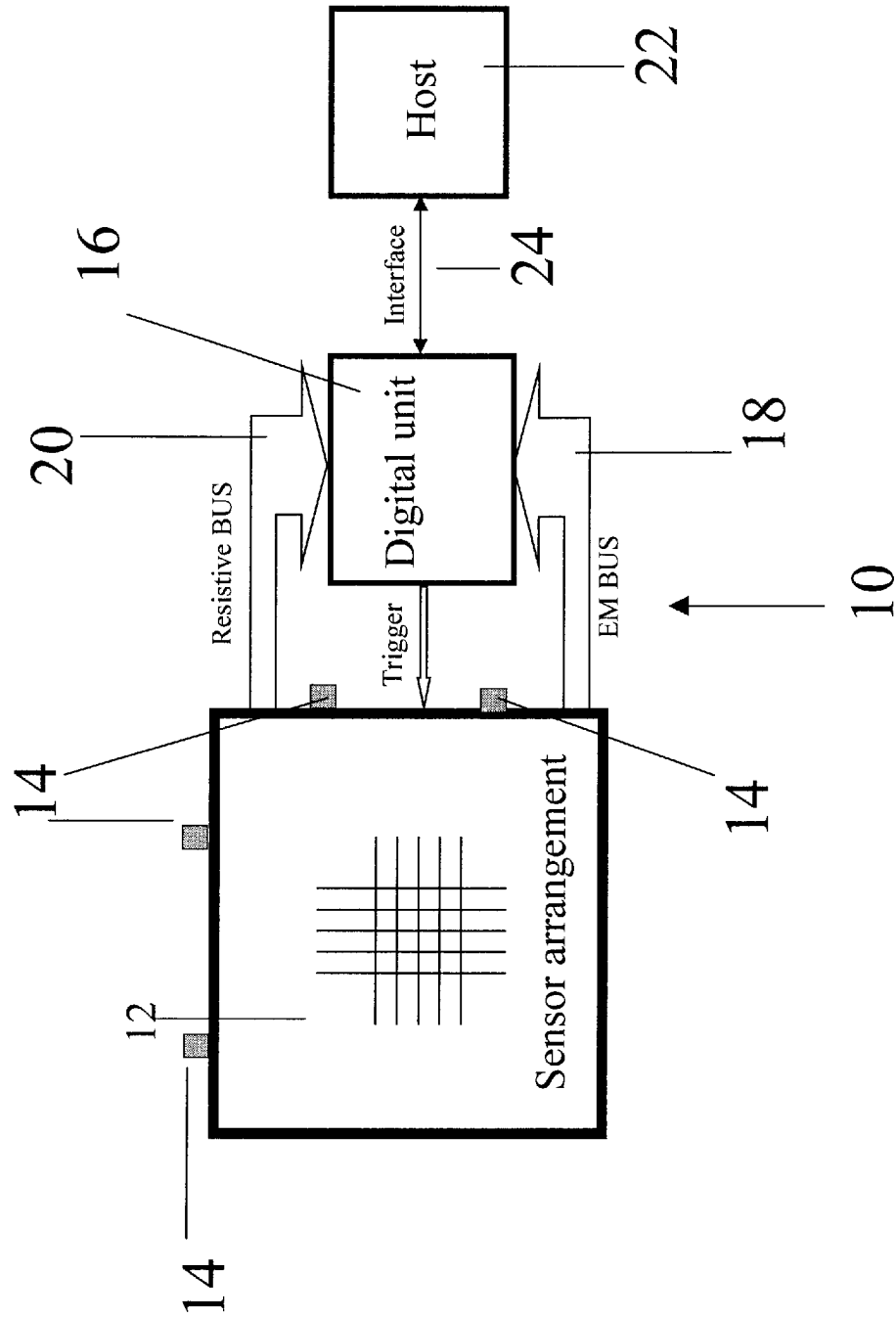


Fig. 1



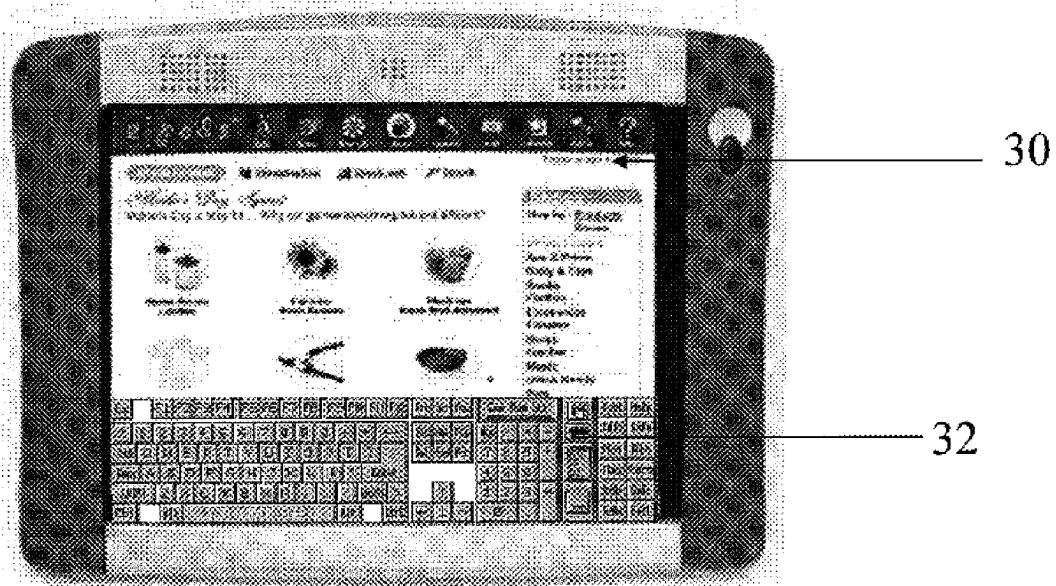


Fig. 2

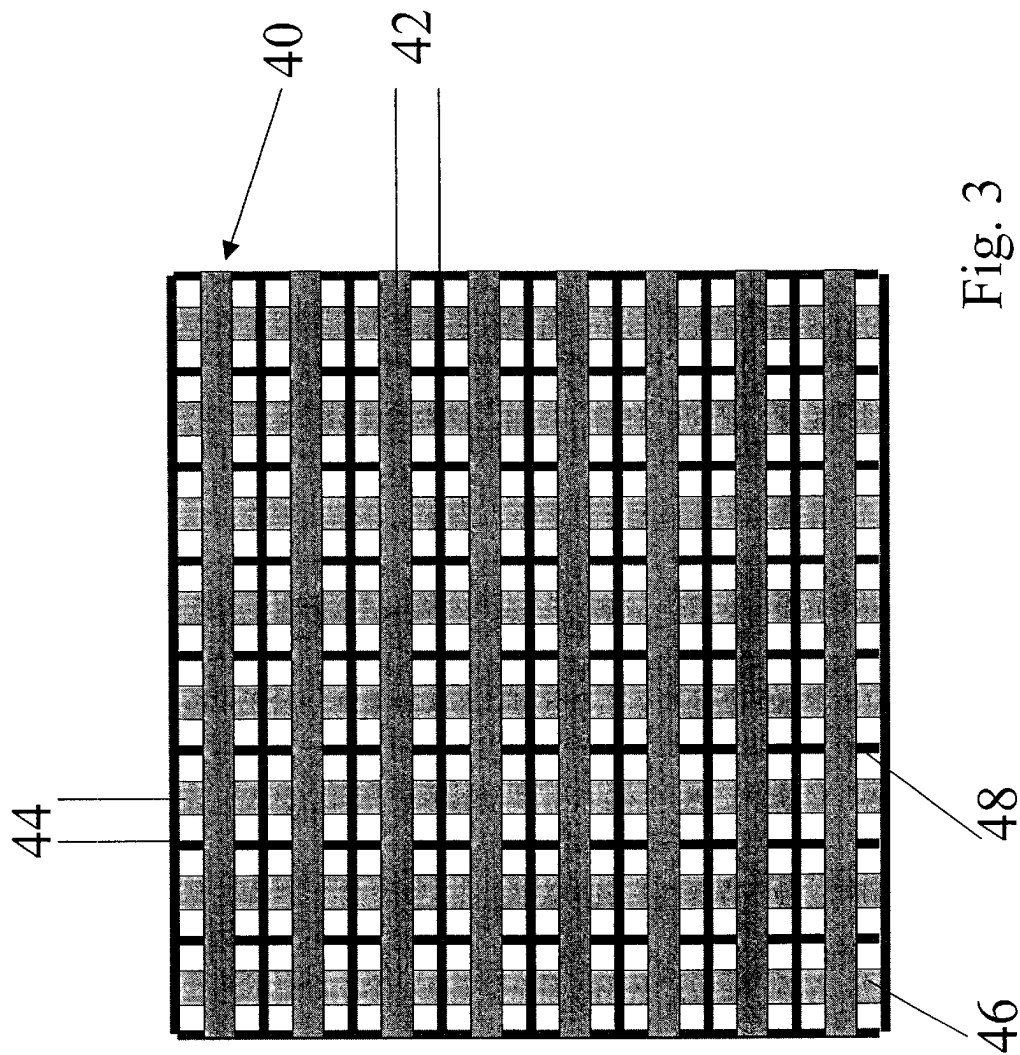


Fig. 3

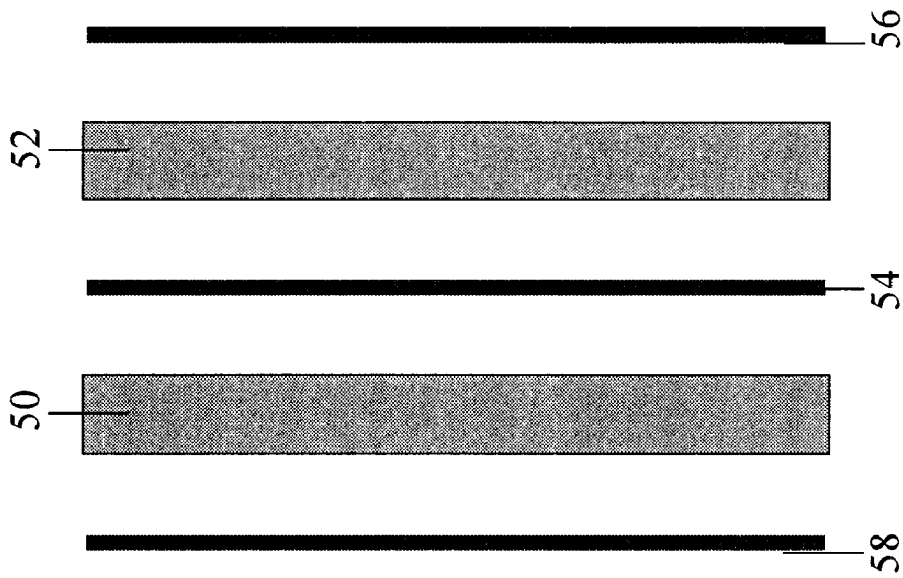


Fig. 4

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