Case No. IPR2015-01523 U.S. Patent No. 6,366,130 Attorney Docket No. ELBRUS-IPR1

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.

Petitioner

v.

ELBRUS INTERNATIONAL LIMITED

Patent Owner

Case: IPR2015-01523

U.S. Patent No. 6,366,130

PATENT OWNER'S PRELIMINARY RESPONSE



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LIST OF EXHIBITS

Exhibit 2001 - Action Closing Prosecution - Reexamination Control No. 95/000,657.



I. INTRODUCTION

The Petitioner Samsung has requested *Inter-Partes* Review of claims 1, 2, 3, 5, 6, 7 and 9 of United States Patent No. 6,366,130 (the õ`130 Patentö). The Petitioner asserts that Claims 1, 2, 3, 5 and 7 are anticipated under 35 U.S.C. § 102 by Ternullo (U.S. Patent No. 6,052,328); that claim 7 is unpatentable under 35 U.S.C. § 103(a) over Ternullo in view of Hardee (U.S. Patent No. 6,249,469); and that claim 9 is unpatentable over Ternullo in view of Sukegawa (U.S. Patent No. 5,828,241).

A. PROBLEM SOLVED BY THE '130 PATENT

The `130 patent relates to a data transfer arrangement such as might be used to read a semiconductor memory device. The arrangement includes a sense amplifier with two separate pre-charged buses, a differential bus and a differential data bus. These buses operate on alternate clock phases: one bus is being pre-charged while the other is transferring data and vice versa.

The data transfer arrangement operates at high speed and uses low power.

This arrangement is less sensitive to deviations in voltage sources and deviation of the threshold voltages of the input transistors. This invention leads to increased transfer speed and results in circuits that are not sensitive to circuit



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