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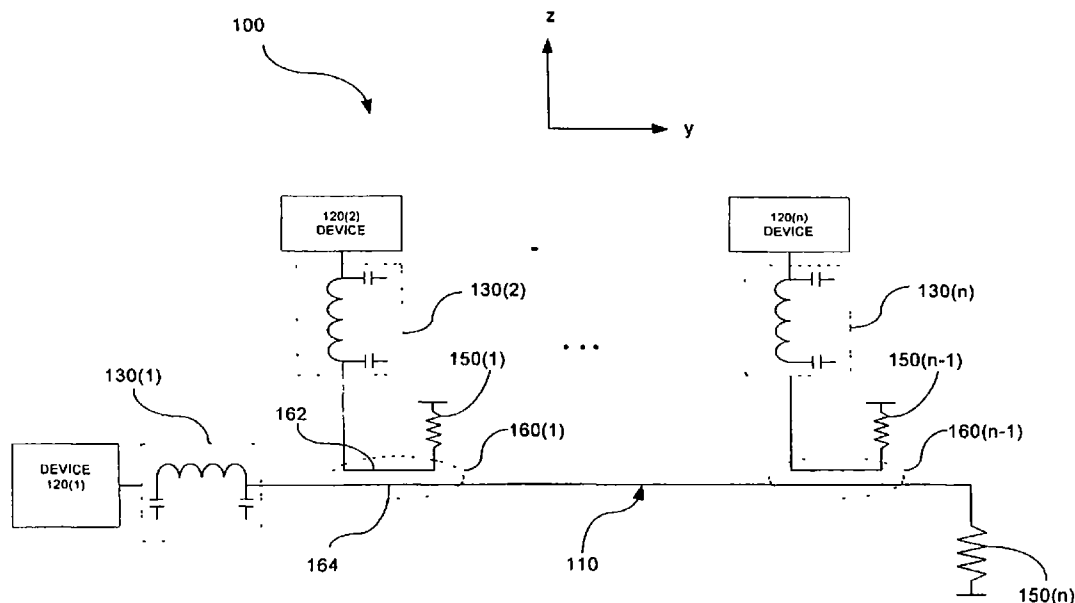
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09/714,321 15 November 2000 (15.11.2000) US(71) Applicant: **INTEL CORPORATION (a Delaware Corporation)** [US/US], 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).(72) Inventors: **SIMON, Thomas**, 23 Royal Crest Drive #7, Marlborough, MA 01752 (US). **AMIRTHARAJAH, Rajeevan**, 80 Elmgrove Avenue, 2nd Floor, Providence, RI 02906 (US). **KNIGHT, Thomas, Jr.**, 58 Douglas Street, Belmont, MA 02478 (US). **MARKETKAR, Nandu**, 491 Cross Street, Boylston, MA 01505 (US). **BENHAM, John**, 30 O'Neil Drive, Westborough, MA 01581 (US).(74) Agents: **MALLIE, Michael, J. et al**, Blakey Sokoloff Taylor & Zafman, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US)(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)**Published:**

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(54) Title: ELECTROMAGNETICALLY-COUPLED BUS SYSTEM



(57) **Abstract:** The present invention provides a mechanism for supporting high digital bandwidth in a multi-drop bus system. a first device of the system is electrically coupled to a bus. Multiple receiving devices are coupled to the bus through associated electromagnetic couplers having coupling coefficients in a specified range. the geometries of the electromagnetic couplers are selected to reduce variations in the coupling coefficients with changes in the relative positions of the coupler components.

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