

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/101874 A1

(51) International Patent Classification: **B66B 1/20**

(21) International Application Number: PCT/FI03/00416

(22) International Filing Date: 28 May 2003 (28.05.2003)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data:
20021057 3 June 2002 (03.06.2002) FI

(71) Applicant (for all designated States except US): **KONE CORPORATION** [FI/FI]; Karttonontie 1, FIN-00330 Helsinki (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SIHKONEN, Marja-Liisa** [FI/FI]; Sotkatie 4 A 8, FIN-00200 Helsinki (FI). **DE**

JONG, Johannes [NL/FI]; Kauhajoenkuja 1, FIN-04430 Järvenpää (FI). **SELIN, Kimmo** [FI/FI]; Valkovuokontie 12, FIN-05800 Hyvinkää (FI).

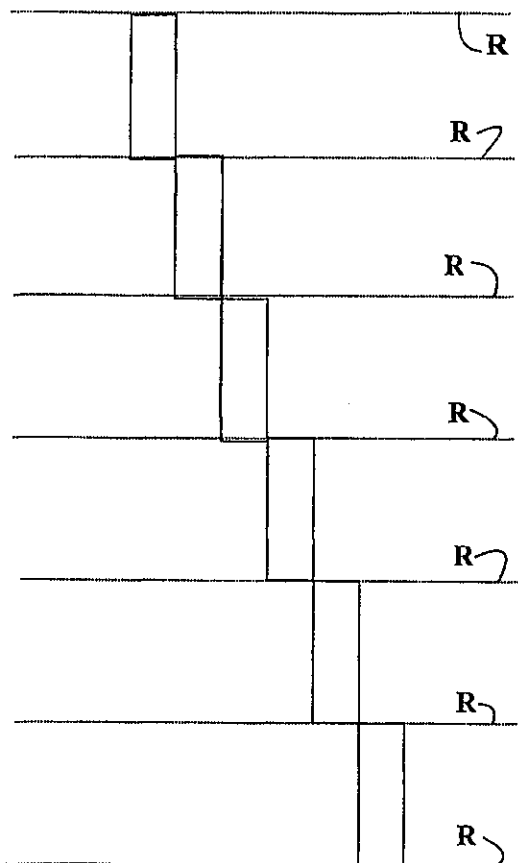
(74) Agent: **KONE CORPORATION / PATENT DEPARTMENT**; P.O. Box 677, FIN-05801 Hyvinkää (FI).

(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, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: METHOD FOR CONTROLLING THE ELEVATORS IN AN ELEVATOR BANK



(57) Abstract: Method for controlling the elevators in an elevator bank in a building divided into zones comprising a plurality of floors via a process whereby destination floor calls are issued to the elevators by means of destination floor call input devices in the lobby of departure and the calls are distributed internally among different zones in the building by the elevator group control system, the elevators and the floors to be served being divided dynamically within the aforesaid zones, varying the numbers of elevators and the zone limits (r) according to traffic forecasts and transportation need.

WO 03/101874 A1



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*