

Title (en)
INDOOR-OUTDOOR COMMUNICATION DEVICE IN AIR CONDITIONER

Title (de)
INNEN/AUSSENKOMMUNIKATIONSGERÄT FÜR KLIMAANLAGE

Title (fr)
DISPOSITIF DE COMMUNICATION INTERIEUR-EXTERIEUR DANS UN CONDITIONNEUR D'AIR

Publication
EP 1036995 A4 20001206 (EN)

Application
EP 99900032 A 19990104

Priority
• JP 9900002 W 19990104
• JP 36796897 A 19971229

Abstract (en)
[origin: EP1036995A1] An air conditioner comprising one outdoor unit (1) and a plurality of indoor units (2) connected to the outdoor unit (1) via three connection lines (3) including commercial power supply lines (3a)(3b) in parallel with each other, wherein the outdoor unit (1) includes an outdoor micro-computer (14), an outdoor D.C. power supply (11), an outdoor transmission photo-coupler (15), an outdoor reception photo-coupler (16), and a termination resistance (17) connected in parallel with the outdoor reception photo-coupler (16), and each indoor unit (2) includes an indoor D.C. power supply (21), an indoor micro-computer (22), an indoor reception photo-coupler (24), an indoor transmission photo-coupler (23), and a positive temperature characteristic thermister (25) connected in series with the indoor transmission photo-coupler (23), so that components having nothing to do with ordinary indoor-outdoor communication operation are not required, and a disadvantage such that transmission and reception circuit components are destroyed or snapped is prevented from occurrence even when mis-wiring is realized. <IMAGE>

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F24F 11/02 (2006.01); **F24F 11/00** (2006.01)

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Citation (search report)
• [A] US 5642857 A 19970701 - TOTSUKA HIDEKAZU [JP], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 469 (M - 1666) 31 August 1994 (1994-08-31)

Cited by
AU2002300420B2; US7848852B2; EP2420751A4; US10122164B2; US8249750B2

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