

Title (en)
REFRIGERATOR SYSTEM

Title (de)
KÜHLSCHRANKSYSTEM

Title (fr)
SYSTÈME DE RÉFRIGÉRATEUR

Publication
EP 4122359 A1 20230125 (EN)

Application
EP 22185787 A 20220719

Priority
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Abstract (en)
Refrigerator system (1) which comprises at least one refrigeration station (2), provided with at least one compressor (21), a plurality of refrigerated displays (3), and each of which comprises at least one evaporator (31) and a refrigerated chamber (32), susceptible of containing products to be preserved. The refrigerator system (1) also comprises a refrigeration circuit (4), selectively placed to connect between the compressor (21) and the evaporators (31), at least one logic control unit (5), connected to the compressor (21) in order to cool a corresponding refrigerated display (3) for a predetermined cooling time period. The refrigerator system (1) also comprises two or more sensors (6), configured for detecting corresponding operative parameters and sending a plurality of signals to the logic control unit (5) corresponding to the operative parameters, and such sensors (6) are selected from among: a contact sensor (61), a temperature sensor (62), a pressure sensor (63), a movement sensor (64), a volumetric sensor (65), a thermal camera (66), a people-counted sensor (67). The logic control unit (5) is placed in communication with the plurality of sensors (6) in order to receive the signals from the sensors (6) and comprises at least one calculation unit (51), configured for calculating, on the basis of the aforesaid signals, an additional time beyond the cooling time.

IPC 8 full level
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Citation (applicant)
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• US 2004050075 A1 20040318 - KING EDDIE W [US], et al
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• [Y] US 2004050075 A1 20040318 - KING EDDIE W [US], et al
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• [Y] JP 2001208421 A 20010803 - MITSUBISHI ELECTRIC CORP
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