

Title (en)

CONTROL METHOD FOR ASSEMBLING OR DISASSEMBLING IMPELLER OF AIR CONDITIONER, AND AIR CONDITIONER

Title (de)

STEUERUNGSVERFAHREN ZUR MONTAGE ODER DEMONTAGE EINES FLÜGELRADS EINER KLIMAANLAGE SOWIE KLIMAANLAGE

Title (fr)

PROCÉDÉ DE COMMANDE DE MONTAGE OU DE DÉMONTAGE D'UNE ROUE DE CLIMATISEUR, ET CLIMATISEUR

Publication

EP 3617526 A4 20210113 (EN)

Application

EP 17907360 A 20171225

Priority

- CN 201710286542 A 20170426
- CN 2017118322 W 20171225

Abstract (en)

[origin: EP3617526A1] A control method for disassembling and assembling an impeller of an air conditioner is provided. The control method includes: controlling the electromagnetic coil (12) to control a force application direction on an impeller (10), and incorporating forward rotation or reverse rotation of a motor (20), and when the electromagnetic coil (12) is controlled to apply a force on the impeller (10) in a direction away from the motor (20), the motor (20) is rotated reversely, such that the impeller (10) is automatically separated from the motor (20), and when the electromagnetic coil (12) is controlled to apply a force to the impeller (10) in a direction approaching the motor (20), the motor (20) is rotated forward, and the impeller (10) is automatically engaged with the motor (20), so that the impeller (10) can be automatically disassembled or assembled, thus reduce manual operation and improve operation efficiency.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [A] JP 2015206482 A 20151119 - MITSUBISHI ELECTRIC CORP
- [A] WO 2016074607 A1 20160519 - YOU FEI [CN]
- [A] JP H11132493 A 19990521 - MITSUBISHI ELECTRIC CORP
- [A] JP H04126926 A 19920427 - MITSUBISHI ELECTRIC CORP
- See references of WO 2018196420A1

Designated contracting state (EPC)

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EP 3617526 A1 20200304; **EP 3617526 A4 20210113**; CN 108799196 A 20181113; CN 108799196 B 20201016; WO 2018196420 A1 20181101

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