

Title (en)
AC CONTACTOR

Publication
EP 0174467 B1 19900411 (DE)

Application
EP 85108836 A 19850715

Priority
• DE 3430363 A 19840817
• DE 3505881 A 19850220
• DE 3523051 A 19850627

Abstract (en)
[origin: US4625194A] An a.c. contactor with an armature activated by a magnetic system, which is effectively connected to a return spring-loaded contactor onto which the movable contact component of the contact system is mounted. The contact carrier is herein fitted with an auxiliary mass and placed in effective contact with the armature by a coupling spring, wherein the auxiliary mass is movable in relationship to the contact carrier and an additional spacer bar component, with which the armature is coupled. The coupling spring supported on one end by the contact carrier, can on the other end connect to an offset end of the spacer component which is pressed against the auxiliary mass, whereby the auxiliary mass connects with a catch of a contact carrier or else is spring-loaded against the direction of motion of the contact carrier towards a stop on the contact carrier via a separate auxiliary spring. These improvements dampen and delay the recoil of the contact carrier experienced during switching of the a.c. contactor.

IPC 1-7
H01H 50/64; **H01H 51/30**

IPC 8 full level
H01H 51/30 (2006.01); **H01H 50/30** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)
H01H 50/305 (2013.01 - EP US); **H01H 50/645** (2013.01 - EP US)

Cited by
EP0432299A1; US6094117A; FR2707794A1; US5546062A; EP0272617A3; WO9733289A1

Designated contracting state (EPC)
AT CH DE FR LI SE

DOCDB simple family (publication)
EP 0174467 A1 19860319; **EP 0174467 B1 19900411**; DE 3577159 D1 19900517; JP H0648614 B2 19940622; JP S6149337 A 19860311; US 4625194 A 19861125

DOCDB simple family (application)
EP 85108836 A 19850715; DE 3577159 T 19850715; JP 17747085 A 19850812; US 76616685 A 19850815