

Title (en)
ELECTROMAGNETIC SWITCHING DEVICE WITH ARCING CHAMBERS

Title (de)
ELEKTROMAGNETISCHES SCHALTGERÄT MIT LÖSCHKAMMERN

Title (fr)
APPAREIL DE COMMUTATION ELECTROMAGNETIQUE AVEC CHAMBRES D'EXTINCTION

Publication
EP 0992049 A1 20000412 (DE)

Application
EP 99911806 A 19990320

Priority
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• EP 9901875 W 19990320

Abstract (en)
[origin: US6191377B1] An electromagnetic switching device, in particular a high capacity contactor, includes switch contacts which are arranged inside interrupter chambers formed by an interrupter chamber housing. Also provided is a deionizing device which is in the form of an arcing chamber and assigned to each interrupter chamber with a switch contact. The arcing chamber is formed by arcing plates which are assembled to form a packet. In addition, a cover is provided for closing the interrupter chambers on the upper side. The uppermost arcing plate which faces the cover is configured as a shielding plate of each arcing chamber and has at least one upward bent clip. Recesses which correspond with the clips of the arcing chambers are formed on the underside of the cover. The arcing chambers can be fastened to the cover to provide an interlocking connection by plugging the clips into the recesses.

IPC 1-7
H01H 9/34

IPC 8 full level
H01H 9/34 (2006.01)

CPC (source: EP US)
H01H 9/345 (2013.01 - EP US); **H01H 9/342** (2013.01 - EP US)

Citation (search report)
See references of WO 9950867A1

Cited by
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US 6191377 B1 20010220; AT E300095 T1 20050815; CN 1121698 C 20030917; CN 1262773 A 20000809; DE 19814411 C1 19990715; DE 59912292 D1 20050825; EP 0992049 A1 20000412; EP 0992049 B1 20050720; HK 1027211 A1 20010105; JP 2000513495 A 20001010; JP 3290670 B2 20020610; WO 9950867 A1 19991007

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