

Title (en)
Superconducting magnet, superconducting coil structure, and superconducting spectrometer

Title (de)
Supraleitender Magnet, Supraleiterspule Struktur und supraleitender Spektrometer

Title (fr)
Aimant supraconducteur, enroulement supraconducteur et spectromètre supraconducteur

Publication
EP 1381059 A1 20040114 (EN)

Application
EP 03254403 A 20030711

Priority
JP 2002204573 A 20020712

Abstract (en)
Multilayered superconducting coil members are wound to form a superconducting coil. Each superconducting coil member is composed of a superconducting wire and an aluminum alloy-stabilizing member enclosing the superconducting wire. Plate-like shells are inserted between the adjacent superconducting coil members, respectively. Electric insulating members are inserted between the adjacent superconducting member and shell. <IMAGE>

IPC 1-7
H01F 6/06; **H01B 12/10**; **G01R 33/3815**

IPC 8 full level
H10N 60/81 (2023.01); **H01F 6/06** (2006.01)

CPC (source: EP)
H01F 6/06 (2013.01)

Citation (applicant)
US 3470508 A 19690930 - DONADIEU LUCIEN, et al

Citation (search report)

- [X] US 3470508 A 19690930 - DONADIEU LUCIEN, et al
- [A] EP 0444702 A2 19910904 - HITACHI LTD [JP]
- [A] US 5239276 A 19930824 - ROTH GERHARD [DE], et al

Citation (examination)
EP 0874407 A1 19981028 - HITACHI CABLE [JP], et al

Cited by
CN114783680A; CN113130164A; CN105283934A; US10126389B2; WO2014162233A3

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 1381059 A1 20040114; JP 2004047813 A 20040212; JP 4117372 B2 20080716

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EP 03254403 A 20030711; JP 2002204573 A 20020712