

Title (en)  
INSULATOR AND METHOD FOR MAKING AN INSULATOR

Title (de)  
ISOLATOR UND VERFAHREN ZUR HERSTELLUNG EINES ISOLATORS

Title (fr)  
ISOLATEUR ET PROCÉDÉ DE FABRICATION D'UN ISOLATEUR

Publication  
**EP 4235705 A1 20230830 (EN)**

Application  
**EP 23158169 A 20230223**

Priority  
IT 202200003494 A 20220224

Abstract (en)  
An insulator comprises a primary conductor (2) extending along a longitudinal axis (A); and an insulating body (4), which surrounds, at least in part, the primary conductor (2) and comprises:• at least one annular sensor (11; 11a, 11b, 11c), selected from the group comprising a current sensor (11a), a voltage measurement sensor (11b), a voltage detector (11c); and• a frame (12; 112) configured to support the at least one annular sensor (11; 11a, 11b, 11c) such that the at least one annular sensor (11; 11a, 11b, 11c) is centred on the longitudinal axis (A).

IPC 8 full level  
**H01B 17/00** (2006.01); **G01R 15/14** (2006.01); **H01B 17/26** (2006.01); **H01B 19/00** (2006.01)

CPC (source: EP)  
**H01B 17/005** (2013.01); **H01B 17/26** (2013.01); **H01B 19/00** (2013.01)

Citation (applicant)  
• EP 1376621 A2 20040102 - ABB TECHNOLOGY AG [CH]  
• FR 2815762 A1 20020426 - SCHNEIDER ELECTRIC SA [FR]  
• EP 0933639 A2 19990804 - ABB TRANSMIT OY [FI]  
• US 2020082961 A1 20200312 - JADHAV RANJIT [IN], et al

Citation (search report)  
• [X] EP 1376621 A2 20040102 - ABB TECHNOLOGY AG [CH]  
• [X] FR 2815762 A1 20020426 - SCHNEIDER ELECTRIC SA [FR]  
• [X] EP 0933639 A2 19990804 - ABB TRANSMIT OY [FI]  
• [X] US 2020082961 A1 20200312 - JADHAV RANJIT [IN], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4235705 A1 20230830**; IT 202200003494 A1 20230824

DOCDB simple family (application)  
**EP 23158169 A 20230223**; IT 202200003494 A 20220224