

Title (en)
ROTARY FIBERIZATION OF ASPHALT

Title (de)
ZENTRIFUGIERUNG VON ASPHALT ZUR HERSTELLUNG VON ASPHALTFASERN

Title (fr)
DEFIBRAGE PAR ROTATION DE L'ASPHALTE

Publication
EP 0799336 B1 20000802 (EN)

Application
EP 95939036 A 19951031

Priority
• US 9514236 W 19951031
• US 36234294 A 19941222

Abstract (en)
[origin: WO9619600A1] A method for producing asphalt fibers (26) includes supplying molten asphalt (20) to a rotating asphalt spinner (10), centrifuging asphalt fibers (22) from the asphalt spinner (10), and collecting the asphalt fibers (26). The molten asphalt (20) is supplied to the asphalt spinner (10) at a temperature within the range of from about 270 DEG F (132 DEG C) to about 500 DEG F (260 DEG C). Also disclosed is a method for integrating asphalt with reinforcement fibers including the steps of establishing a downwardly moving veil of reinforcement fibers, such as glass fibers, and centrifuging asphalt fibers from a rotating asphalt spinner positioned within the veil of reinforcement fibers to integrate the asphalt with the reinforcement fibers. A method for making an asphalt roofing shingle includes the steps of assembling together a mat of asphalt fibers with a mat of reinforcement fibers, coating the assembled mats to form an asphalt-coated sheet, applying granules to the asphalt-coated sheet, and cutting the asphalt-coated sheet into roofing shingles. The invention also includes the asphalt roofing shingle made by this process. Further, the invention includes asphalt highway reinforcement products containing asphalt fibers, and the method of making such products.

IPC 1-7
D01F 9/00; **D01D 5/18**

IPC 8 full level
D01D 5/18 (2006.01); **D01F 9/00** (2006.01); **D01F 9/14** (2006.01)

CPC (source: EP)
D01D 5/18 (2013.01); **D01F 9/00** (2013.01)

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
WO 9619600 A1 19960627; AU 4100496 A 19960710; AU 700729 B2 19990114; BR 9510479 A 19980602; CA 2208034 A1 19960627; CN 1173209 A 19980211; DE 69518255 D1 20000907; DE 69518255 T2 20001130; EP 0799336 A1 19971008; EP 0799336 B1 20000802; ES 2148580 T3 20001016; JP H10510890 A 19981020; MX 9704613 A 19971031; TW 440606 B 20010616

DOCDB simple family (application)
US 9514236 W 19951031; AU 4100496 A 19951031; BR 9510479 A 19951031; CA 2208034 A 19951031; CN 95197458 A 19951031; DE 69518255 T 19951031; EP 95939036 A 19951031; ES 95939036 T 19951031; JP 51978496 A 19951031; MX 9704613 A 19951031; TW 84111474 A 19951030