

Title (en)  
Device for coiling and cutting reinforcing fibres and for the production of capsules made of a coiled fibre and a wrapper of glue or frozen water

Title (de)  
Vorrichtung zum Aufwickeln und Schneiden von Verstärkungsfasern und für die Herstellung von Kapseln bestehend aus einer aufgewickelten Faser und einer Umhüllung aus Klebe oder gefrorenem Wasser

Title (fr)  
Dispositif pour enrouler et couper des fibres de renforcement et pour la production de capsules constituées d'une fibre enroulée et d'une enveloppe de colle ou d'eau congelée

Publication  
**EP 2372034 A1 20111005 (EN)**

Application  
**EP 10466033 A 20101216**

Priority  
EP 10466033 A 20101216

Abstract (en)  
Device for coiling fibres and for the production of capsules made of a coiled fibre and a wrapping of glue or frozen water, consisting of a container (3) in which a cutter (6) is slidably arranged, the cutter (6) being provided with an upper lid (13) and a wall (12), wherein the upper lid (13) is provided with an aperture (8) and the lower rim of the wall (12) is provided with a cutting edge (9), and wherein the container (3) is provided with an opening (7) in its wall (10), intended for introducing the fibre (2).

IPC 8 full level  
**B23D 23/00** (2006.01); **B21C 47/04** (2006.01); **B21F 11/00** (2006.01); **B21F 45/00** (2006.01); **E04C 5/01** (2006.01); **E04C 5/07** (2006.01)

CPC (source: EP)  
**B21C 47/045** (2013.01); **B21F 11/00** (2013.01); **B21F 45/00** (2013.01); **B21F 45/006** (2013.01); **E04C 5/012** (2013.01); **E04C 5/076** (2013.01)

Citation (applicant)  
• US 3616589 A 19711102 - SHERARD JAMES L  
• CA 2547694 A1 20050728 - TREFILARBED BISSEN SA [LU]  
• US 7285167 B2 20071023 - OGDEN J HERBERT [US]  
• US 4565840 A 19860121 - KOBAYASHI KAZUSUKE [JP], et al  
• DE 4214540 C1 19930617  
• WO 0164599 A1 20010907 - HOCHEGGER KOMMUNIKATIONS BERAT [AT], et al  
• CZ 19399 U1 20090309 - CT DOPRAVNIHO VYZKUMU [CZ]  
• CZ 19400 U1 20090309 - CT DOPRAVNIHO VYZKUMU [CZ]

Citation (search report)  
• [A] EP 2206848 A1 20100714 - CT DOPRAVNIHO VYZKUMU V V I [CZ]  
• [A] DE 9318666 U1 19940127 - V F A S R L [IT]  
• [A] WO 9602715 A1 19960201 - FORTATECH AG [CH], et al

Cited by  
WO2021228476A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2372034 A1 20111005; EP 2372034 B1 20130213**

DOCDB simple family (application)  
**EP 10466033 A 20101216**