

Title (en)
COILER.

Title (de)
WICKELVORRICHTUNG.

Title (fr)
BOBINEUSE.

Publication
EP 0294480 A4 19890424 (EN)

Application
EP 87900282 A 19861225

Priority
JP 8600652 W 19861225

Abstract (en)
[origin: WO8804966A1] A coiler comprises a first frame of which the front end is opposed to the outer periphery of a mandrel that takes up a strap and of which the base end is rotatable about an axis in parallel with the axis of the mandrel, a drive device for turning the first frame, a second frame pivoted to the front end of the first frame to rotate about an axis in parallel with the axis of the mandrel, a second drive device for turning the second frame, a pushing roller which is rotatably supported by the second frame and which assists the winding of the strap onto the mandrel, and a circular guide which is mounted on the second frame so as to be opposed to the mandrel. According to the invention, the function of a frame for operating the unit roller is shared between the second frame which supports the pushing roller and the first frame which turns the second frame. Unlike the conventional apparatus, therefore, there is no limitation on the arrangement, the strap is desirably wound on the mandrel, and the pushing roller exhibits greatly improved response characteristics.

IPC 1-7
B21C 47/06

IPC 8 full level
B21C 47/06 (2006.01)

CPC (source: EP)
B21C 47/063 (2013.01)

Citation (search report)

- [X] US 2918226 A 19591222 - O'BRIEN JEREMIAH W
- [X] US 3328990 A 19670704 - PAUL SIEGER MAURICE, et al
- [X] PATENT ABSTRACTS OF JAPAN, vol. 3, no. 23 (C-38), 26th February 1979, page 154 C 38; & JP-A-53 149 852 (ISHIKAWAJIMA HARIMA JUKOGYO K.K.) 27-12-1978
- See references of WO 8804966A1

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Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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