

Title (en)
METHOD AND STATION FOR FORMING A YARN ROPE AND YARN ROPE

Title (de)
VERFAHREN UND STATION ZUR FORMUNG EINES GARNSTRANGS SOWIE GARNSTRANG

Title (fr)
PROCÉDÉ ET STATION POUR FORMER UNE CORDE DE FIL ET CORDE DE FIL

Publication
EP 4074871 A1 20221019 (EN)

Application
EP 21168379 A 20210414

Priority
EP 21168379 A 20210414

Abstract (en)
The invention relates to a method for forming a yarn rope, said yarn rope comprising a bundle of axial yarns (1,3) extending in an axial direction (A) and at least one cross yarn loop (13,15) inserted in the bundle of axial yarns (1,3) and extending in a cross direction (C), the cross direction (C) being orientated transversely, in particular perpendicularly, to the axial direction (A), wherein the method comprises the steps of receiving a plurality of separate axial yarns (1,3), creating a first insertion gap confined between the axial yarns and extending in cross direction (C), inserting a first cross yarn (13) in the first insertion gap for forming first under portions (35) and over portions (33) with respect to said axial yarns (1,3), creating a second insertion gap confined between the axial yarns (1,3) and extending in cross direction(C), inserting a second cross yarn (15) in the second insertion gap for forming second under portions (39) and over portions (37) with respect to said axial yarns (1,3), and forming the cross yarn loop by connecting the inserted first and second cross yarn (13, 15) with each other, wherein at least the step of inserting the first and/or second cross yarn (13, 15) is motor driven in particular according to a process control sequence.

IPC 8 full level
D02H 9/02 (2006.01); **D02H 11/00** (2006.01); **D03J 1/13** (2006.01)

CPC (source: EP)
D02H 9/02 (2013.01); **D02H 11/00** (2013.01); **D03J 1/13** (2013.01)

Citation (search report)
• [XAI] US 3536019 A 19701027 - HONDA RYOSEI, et al
• [XAI] US 5141031 A 19920825 - BAURMEISTER ULRICH [DE]
• [XAI] US 4761864 A 19880809 - BERGER JOHANN [DE], 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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 4074871 A1 20221019; EP 4074871 B1 20240320

DOCDB simple family (application)
EP 21168379 A 20210414