

Title (en)
Piecing arrangement in an openend rotor spinning machine

Title (de)
Anspinnvorrichtung in einer Offenend-Rotorspinnmaschine

Title (fr)
Procédé et dispositif de rattaché pour un métier à filer à bout libre

Publication
EP 1283288 B1 20050914 (DE)

Application
EP 02015125 A 20020706

Priority
DE 10139075 A 20010809

Abstract (en)
[origin: EP1283288A2] Yarn splicing, at an open-end spinning station, is operated by a computer to set the working of the drives while the mobile maintenance unit is present, to reduce the splicing times. The yarn splicing unit, at the bobbin winder (3) of an open-end spinning station (1), has a suction jet (4) with a step motor (6) drive, to carry the yarn end (9) from the bobbin to a transfer point at the yarn splicer (16). A centering plate (17) is at the bobbin winder, operated by a step motor or a pneumatic cylinder (55). Each station has a mechanical yarn store (60) with a drive (58), and a pneumatic yarn store jet (61). The yarn take-off has a take-off roller (63), operated by a reversible synchronous motor (59) with a free-rotating clamping roller (64). At the bobbin winder, the reciprocating yarn guide (24) is powered by a drive (57), and the winding drive drum (23) has a reversible motor (56). The drives (6,56,57,59) are linked to a control unit (25).

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CPC (source: EP US)
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Cited by
DE102012011122A1; DE102015118987A1; DE102015112661A1; DE102017122851A1; DE102015012214A1; DE102018131767A1;
DE102013009998A1; DE102014008802A1; DE102014008814A1; DE102015108740A1; DE102007048720B4; DE102015112660A1;
DE102008009321B4; DE102007053467B4; EP2292816A3; EP1749906A3; EP3135618A3; DE102008009321A1; EP3124413A1;
US10384908B2; DE102007053467A1; US11180341B2; EP2813605A1; DE102020129172A1; US10767286B2; EP2955143A1; EP2966201A2;
DE102007048720A1; EP3100971A1; US10414623B2; EP1749906A2; US7377094B2; EP3135618A2; US10202254B2; EP3144418A1

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