

Title (en)
Opening rotor spinning machine

Title (de)
Offenend-Rotorspinnmaschine

Title (fr)
Métier à tisser à rotor à extrémité ouverte

Publication
EP 2565306 B1 20170726 (DE)

Application
EP 12005963 A 20120821

Priority
DE 102011112364 A 20110902

Abstract (en)
[origin: EP2565306A2] The open-end rotor spinning machine (1) has several work stations (2), each having a spinning rotor. A drive unit performs variable-speed drive of the spinning rotor. A measuring unit detects the thread breaks, and an evaluation unit detects the yarn breakage rate. A control unit sets the speed of spinning rotors automatically in dependence on the respectively determined yarn breakage rate, and regulates the yarn breakage rate, so that the yarn breakage rate is below a predetermined target range maximum fiber breakage.

IPC 8 full level
D01H 4/44 (2006.01)

CPC (source: EP)
D01H 4/44 (2013.01)

Citation (opposition)
Opponent : Maschinenfabrik Rieter AG
• GB 1143909 A 19690226 - LOUIS LEPOUTRE & CIE ETS
• DE 2140067 B2 19760805
• DE 3624212 A1 19880128 - TSNII PROMY LUBYANYKH VOLOKON [SU]
• DE 2454721 A1 19760526 - ZINSER TEXTILMASCHINEN GMBH
• EP 0415290 B1 19950628 - RIETER AG MASCHF [CH]
• DE 2336081 A1 19740822 - HEBERLEIN HISPANO SA
• DE 102004053505 A1 20060504 - STAHLLECKER GMBH WILHELM [DE]
• DE 7148737 U 19720413
• DE 3927684 A1 19900315 - VYZK USTAV BAVLNARSKY [CS]
• DE 3819607 A1 19890302 - ZVL VYZK USTAV PRO VALIVA [CS]
• DE 4442384 C1 19951207 - WANGER GERHARD [DE]

Cited by
DE102019116475A1; US11643757B2; WO2024126031A1; EP3666943A1; JP2020079458A; EP3760772A1

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

DOCDB simple family (publication)
EP 2565306 A2 20130306; EP 2565306 A3 20150304; EP 2565306 B1 20170726; CN 102978754 A 20130320; CN 102978754 B 20170301;
DE 102011112364 A1 20130307

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EP 12005963 A 20120821; CN 201210316410 A 20120830; DE 102011112364 A 20110902