

Title (en)  
DEVICE FOR THE PRODUCTION OF ASSORTED OR PATTERNED YARN WITH THE ADDITION OF DIFFERENT COLOURED FIBRES OR OF DIFFERENT NATURE

Title (de)  
VORRICHTUNG ZUR HERSTELLUNG VON SORTIERTEM ODER GEMUSTERTEM GARN MIT ZUSATZ VON FASERN VON VERSCHIEDENER FARBE ODER VERSCHIEDENER NATUR

Title (fr)  
DISPOSITIF POUR LA PRODUCTION DE FIL ASSORTI OU AVEC MOTIFS PAR ADDITION DE FIBRES DE DIFFÉRENTES COULEURS OU DE NATURE DIFFÉRENTE

Publication  
**EP 2464766 A2 20120620 (EN)**

Application  
**EP 10793030 A 20100727**

Priority  
• IT TO20090634 A 20090812  
• IB 2010001880 W 20100727

Abstract (en)  
[origin: WO2011018685A2] Device to be applied to a ring spinning machine for the production of patterned yarns wherein the fibres coming from a rove which constitutes the base rove (S) are ' covered by a rove (T) made of fibres of different nature and/or colour; In each position of the spinning machine the two roves (S and T) advance parallel and separate on the same plane detected by the middle cylinder (M) and on output cylinder (F) with related pressure roller (M' and F' ) and by supporting belts dragged by said middle pressure roller (M' ); the middle pressure roller (M') and the related supporting belt (R') are divided into two parts, one part of the roller and the related belt (HB) acting on the base roves (S), while the other part of the roller and the related belt (HC) act on the roves (T) of different nature and/or colour; the two parts of the pressure roller (M') and of the related belts (HB, HC) being on the same axis, but being provided with means which independently rotate them, so that the two roves can have different drawings.

IPC 8 full level  
**D01H 5/26** (2006.01); **D01H 5/36** (2006.01); **D02G 3/28** (2006.01)

CPC (source: EP KR)  
**D01H 1/02** (2013.01 - KR); **D01H 5/26** (2013.01 - EP KR); **D01H 5/36** (2013.01 - EP KR); **D02G 1/02** (2013.01 - KR); **D02G 3/28** (2013.01 - KR)

Citation (search report)  
See references of WO 2011018685A2

Citation (examination)  
• US 3394541 A 19680730 - RHYNE JOHNATHAN L  
• JP 2000110035 A 20000418 - OZEKI TECHNO KK

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**IB 2010001880 W 20100727**; CN 201080035754 A 20100727; EP 10793030 A 20100727; IT TO20090634 A 20090812; KR 20127006207 A 20100727