

Title (en)  
APPARATUS FOR JOINING TWO OR MORE PLIES OF TISSUE PAPER, FOR PRODUCING INTERLEAVED ITEMS, PARTICULARLY FACIAL TISSUES

Title (de)  
VORRICHTUNG ZUR VERBINDUNG VON ZWEI ODER MEHREREN SCHICHTEN VON TISSUEPAPIER ZUR HERSTELLUNG VERSCHACHTELTER ARTIKEL, INSBESONDERE KOSMETIKTÜCHER

Title (fr)  
APPAREIL DE LIAISON DE DEUX OU PLUSIEURS COUCHES DE PAPIER MINCE, POUR PRODUIRE DES ARTICLES ENTRELACÉS, EN PARTICULIER DES TISSUS FACIAUX

Publication  
**EP 3127690 A1 20170208 (EN)**

Application  
**EP 16001674 A 20160729**

Priority  
IT UB20152765 A 20150803

Abstract (en)  
An apparatus for joining two or more plies of tissue paper for producing interleaved items, particularly facial tissues, characterized in that it includes a contrast roller arranged transversely with respect to the advancement direction of at least two plies of tissue paper, and a plurality of embossing wheel units acting on the plies of tissue paper in contrast with the contrast roller; each embossing wheel unit includes a wheel hinged in a support, which is associated with a fixed member of the apparatus; each wheel is removable from the support without removing the support from the fixed member and includes protrusions that form a decorative pattern and are adapted to deform the plies of tissue paper in contrast with the contrast roller, joining the plies and forming a decoration thereon. The decorative pattern and joining lines thus formed produce a series of rows of tissues in the advancement direction of the tissue paper plies.

IPC 8 full level  
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CPC (source: EP)  
**B31F 1/07** (2013.01); **B31F 5/022** (2013.01); **B31F 2201/0723** (2013.01); **B31F 2201/0733** (2013.01); **B31F 2201/0753** (2013.01); **B31F 2201/0764** (2013.01); **B31F 2201/0776** (2013.01); **B31F 2201/0782** (2013.01); **B31F 2201/0789** (2013.01)

Citation (applicant)  
• US 5433817 A 19950718 - BIAGIOTTI GUGLIELMO [IT]  
• EP 1533112 A1 20050525 - IND CARTARIE TRONCHETTI SPA [IT]  
• US 2002148578 A1 20021017 - REILLY IAN [GB], et al

Citation (search report)  
• [XI] US 5433817 A 19950718 - BIAGIOTTI GUGLIELMO [IT]  
• [XI] EP 1533112 A1 20050525 - IND CARTARIE TRONCHETTI SPA [IT]  
• [X] US 2002148578 A1 20021017 - REILLY IAN [GB], et al

Cited by  
CN111278615A; WO2019082033A1

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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