

Title (en)  
CARDING MACHINE

Title (de)  
KREMPEL

Title (fr)  
CARDE

Publication  
**EP 3382070 A3 20181017 (DE)**

Application  
**EP 18157593 A 20180220**

Priority  
• DE 102017107018 A 20170331  
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Abstract (en)  
[origin: CN108691036A] The invention relates to a carding machine provided with an inlet side (1a) for fiber pluff, the fiber pluff is conveyed to a pre-carding machine drum (4) and loosened until becoming a single fiber and being oriented, a first layer of fiber web is conveyed to a conveying roller (9) through an upper doffer (7) and then conveyed to a cylinder (11), a second layer of fiber web is conveyed to a conveying roller (10) through a lower doffer (8) and then conveyed to the cylinder (11), and at least one layer of fiber web is taken down from an outlet side (1b) of the carding machine through at least one doffer (14) to realize further processing. The carding machine is characterized in that the conveying rollers (9, 10) comprise the same diameters. Besides, the invention comprises a grid used in the carding machine.

IPC 8 full level

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CPC (source: CN EP)

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**D01G 15/26** (2013.01 - CN); **D01G 15/34** (2013.01 - CN); **D01G 15/44** (2013.01 - EP)

Citation (search report)

- [X] DE 1193402 B 19650520 - ROGER TAINÉ, et al
- [IDY] EP 0188177 A1 19860723 - FONDERIE OFFICINE RIUNITE ING [IT]
- [I] US 656403 A 19000821 - GEßNER ERNST [DE], et al
- [XY] DE 3643304 C1 19880331 - SPINNBAU GMBH
- [Y] WO 9700984 A1 19970109 - DILO KG MASCHF OSKAR [DE], et al
- [A] EP 0521832 A1 19930107 - NAPOLITANO NICOLA [IT]
- [Y] DE 10336477 B3 20050324 - DILO KG MASCHF OSKAR [DE]
- [A] DE 2418413 A1 19751113 - HERGETH KG MASCH APPARATE

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DOCDB simple family (publication)

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