

Title (en)
REMOVING CYLINDER FOR BALES OF FIBRES

Publication
EP 0058781 B1 19850605 (DE)

Application
EP 81110768 A 19811224

Priority
CH 113481 A 19810220

Abstract (en)
[origin: US4457058A] A take-off roll for opening fiber bales by loosening fiber flocks therefrom contains toothed discs mounted along and upon rotatable shaft. Each toothed disc comprises semi-circular or half-discs which substantially are in the form of half a circular ring. An approximately half or semi-circular ring-shaped cup is provided for each half-disc. Each of the half-discs is embedded in the cast cup or cup member, and the cup members of the half-discs which are assembled together to form one of the toothed discs surround the shaft in a substantially ring-shaped manner. The cup members are releasably mutually fixed and rigidly connected to the shaft by a press fit. Certain advantages of the inventive take-off roll consist in easy replacement of any damaged half-disc and its cup member, and a free adaptability of the staggering of the teeth between the toothed discs. This permits elimination of the occurrence of undesirable vibrations of the take-off roll. Finally, the embedding of the half-discs in the cast cup members permit, within wide limits, the choice of the optimum material for each of these parts. Thus, for instance, the cup members can be fabricated from a lightweight material and the half-discs from a very hard material.

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D01G 7/04; **D01G 15/92**

IPC 8 full level
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CPC (source: EP US)
D01G 7/04 (2013.01 - EP US); **D01G 15/92** (2013.01 - EP US)

Cited by
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