

Title (en)
DEVICE FOR FOLDING PAPER BAGS IN A Z SHAPE

Publication
EP 0092259 B1 19861112 (DE)

Application
EP 83103957 A 19830422

Priority
DE 3215006 A 19820422

Abstract (en)
[origin: ES8401909A1] Apparatus for folding paper sacks to a Z shape about transverse fold lines comprises scoring wheels for defining the fold lines, folding blades and folding means consisting of folding bars for turning the sacks about the folding blades. A first double belt conveyor clampingly engages each sack near its base or filling aperture and conveys it continuously through the folding means. Two parallel shafts mounted in the machine frame in a vertical plane transverse to the conveying direction each carry two spaced co-operating scoring wheels which provide the passing sacks with scoring in opposite senses. A second double belt conveyor provided parallel to the first engages the sacks at the opposite end, has a length equal to the scoring and holds each sack while passing through the scoring wheels. A third double belt conveyor adjoining the second and parallel to the first clamps each sack between the first double belt conveyor and the scoring facing same during folding about this scoring. A first folding blade parallel to the third double belt conveyor has its folding edge disposed near the first scoring and a first folding bar has its rear end below the plane of the rear end of the first folding blade and the front end overlapping the front zone of the first folding blade. A fourth double belt conveyor adjoining the third clamps the sack in the region of the first fold. A second folding blade parallel to the fourth double belt conveyor has its folding edge near the second scoring above the first fold. A folding bar is provided which turns the free sack portion over the second folding blade.

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IPC 8 full level
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CPC (source: EP US)
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Cited by
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EP 0092259 A1 19831026; EP 0092259 B1 19861112; BR 8301832 A 19831220; CA 1209606 A 19860812; DE 3215006 A1 19831027; DE 3215006 C2 19910321; DK 102483 A 19831023; DK 102483 D0 19830228; DK 159250 B 19900924; DK 159250 C 19910218; ES 521730 A0 19840116; ES 8401909 A1 19840116; FI 72945 B 19870430; FI 72945 C 19870810; FI 831216 A0 19830412; FI 831216 L 19831023; JP H0514608 B2 19930225; JP S58191143 A 19831108; SU 1702870 A3 19911230; US 4540396 A 19850910

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