

Title (en)
Printing apparatus

Title (de)
Vorrichtung zum Drucken

Title (fr)
Appareil d'impression

Publication
EP 1243424 A3 20030813 (DE)

Application
EP 02090092 A 20020301

Priority
DE 10114541 A 20010321

Abstract (en)
[origin: EP1243424A2] Franking machine has a print head (2) that moves along a longitudinal direction. In a first longitudinal position is a station (3) for cleaning, storing and maintenance of the print head. The print head acts in combination with the station by movement in a direction (12) that is perpendicular to the longitudinal movement direction.

IPC 1-7
B41J 2/175; B41J 2/165

IPC 8 full level
B41J 2/165 (2006.01); **B41J 2/175** (2006.01); **B41J 25/316** (2006.01)

CPC (source: EP US)
B41J 2/16508 (2013.01 - EP US); **B41J 2/1752** (2013.01 - EP US); **B41J 25/316** (2013.01 - EP US)

Citation (search report)

- [XY] US 4177471 A 19791204 - MITCHELL CHARLES S [US]
- [A] US 6024435 A 20000215 - MURAKI MOTOHITO [JP]
- [A] US 5481283 A 19960102 - WATANABE FUMIHIKO [JP], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 016, no. 395 (M - 1299) 21 August 1992 (1992-08-21)

Cited by
DE202014102697U1; DE202014102699U1; EP1279509B1

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EP 1243424 A2 20020925; EP 1243424 A3 20030813; EP 1243424 B1 20050907; DE 10114541 A1 20021002; DE 50204140 D1 20051013;
US 2002135633 A1 20020926; US 6709087 B2 20040323

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