

Title (en)  
SHEET HEAPING NIP ROLLS

Publication  
**EP 0113122 B1 19870304 (EN)**

Application  
**EP 83113189 A 19831228**

Priority  
JP 23090982 A 19821229

Abstract (en)  
[origin: EP0113122A1] A pair of sheet heaping nip rolls are installed near and above an end portion of an approximately horizontal tray for loading sheet members into the tray. The nip rolls are positioned so that the angle between the plane in which the rotation axes of the nip rolls lie and a surface of the tray on which the sheet members are heaped up on the downstream side of the nip rolls in the sheet feeding direction is obtuse. The sheet members are delivered upwardly from the nip rolls and prevented from being scratched due to friction with a sheet member previously loaded into the tray.

IPC 1-7  
**B65H 29/20**; **G03G 15/00**

IPC 8 full level  
**B65H 29/12** (2006.01); **B65H 29/14** (2006.01); **B65H 29/22** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP)  
**B65H 29/12** (2013.01); **B65H 29/14** (2013.01); **G03G 15/6552** (2013.01)

Citation (examination)  
• US 4311475 A 19820119 - IMAI HIROTO  
• US 4258264 A 19810324 - KOTERA NOBORU, et al

Cited by  
CN104943414A; EP0350926A3; US5129640A

Designated contracting state (EPC)  
DE FR NL

DOCDB simple family (publication)  
**EP 0113122 A1 19840711**; **EP 0113122 B1 19870304**; DE 3369958 D1 19870409; JP S59124648 A 19840718

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**EP 83113189 A 19831228**; DE 3369958 T 19831228; JP 23090982 A 19821229