

Title (en)  
ALIGNING DEVICE

Title (de)  
AUSRICHTVORRICHTUNG

Title (fr)  
DISPOSITIF D'ALIGNEMENT

Publication  
**EP 1008016 A1 20000614 (DE)**

Application  
**EP 97945780 A 19971022**

Priority  
• DE 9702459 W 19971022  
• DE 19643626 A 19961022

Abstract (en)  
[origin: WO9818053A1] The invention relates to an aligning device (10) for individual sheet (12) alignment. The aligning device (10) comprises a sensor device (22, 24, 26, 28), a feeding device (18), a conveyor device (14) located downstream from the feeding device in the direction of conveyance of the sheet (12). In order to align the sheet (12) the sensor device (22, 24, 26, 28) detects the side end of sheet so that its position can be determined in relation to a desired printing position. The conveyor device (14) holding the sheet (12) is shifted in relation to the direction (16) in which the sheet (12) is conveyed so that the sheet (12) can be moved into the desired printing position. Before the sheet is aligned (12) the feeding device (18), which feeds the sheet (12) to the conveyor device (14), is opened.

IPC 1-7  
**G03G 15/00**; **B65H 9/10**

IPC 8 full level  
**B65H 7/10** (2006.01); **B65H 9/06** (2006.01); **B65H 9/10** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP US)  
**B65H 5/062** (2013.01 - EP US); **B65H 7/10** (2013.01 - EP US); **B65H 9/006** (2013.01 - EP US); **G03G 15/6567** (2013.01 - EP US); **B65H 2404/144** (2013.01 - EP US); **B65H 2404/1523** (2013.01 - EP US); **B65H 2511/20** (2013.01 - EP US); **B65H 2511/514** (2013.01 - EP US); **B65H 2553/412** (2013.01 - EP US); **B65H 2553/416** (2013.01 - EP US); **B65H 2701/1315** (2013.01 - EP US); **G03G 2215/00561** (2013.01 - EP US); **G03G 2215/00721** (2013.01 - EP US)

Citation (search report)  
See references of WO 9818053A1

Cited by  
DE102018126049A1; DE102008032804B4; DE102018126049B4; WO2020078847A1; EP4053056A1; DE102021105082A1; EP3904250A1; DE102020111752A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9818053 A1 19980430**; DE 19781181 D2 19991223; DE 59706144 D1 20020228; EP 1008016 A1 20000614; EP 1008016 B1 20020109; US 6135446 A 20001024

DOCDB simple family (application)  
**DE 9702459 W 19971022**; DE 19781181 T 19971022; DE 59706144 T 19971022; EP 97945780 A 19971022; US 28492399 A 19990608