

Title (en)
Industrial sewing machine for simultaneously making different seaming patterns

Title (de)
Industrie-Nähmaschine, die gleichzeitig verschiedene Nähte ausführen kann

Title (fr)
Machine à coudre industrielle permettant l'exécution simultanée de différentes coutures

Publication
EP 0494052 B1 19960612 (EN)

Application
EP 91830538 A 19911206

Priority
IT 2257190 A 19901228

Abstract (en)
[origin: EP0494052A1] An industrial sewing machine comprises at least two driven shafts (4,5) which are rotatively driven in a timed manner, on one of these shafts (4) being keyed cam members (8,16,44,51) for reciprocately driving in a horizontal plane one or more needle bars (13), as well as grippers for feeding with fabric operating hook elements, the other driven shaft (5) operating a vertically displaceable needle bar (69) arranged downstream of the first mentioned needle bars, the spacing of the needle bars being so designed that the needles (15) supported thereby can make simultaneously rectilinear, curved and broken seaming lines. <IMAGE>

IPC 1-7
D05B 1/22; **D05B 73/00**

IPC 8 full level
D05B 1/08 (2006.01); **D05B 1/10** (2006.01); **D05B 1/12** (2006.01); **D05B 1/20** (2006.01); **D05B 1/22** (2006.01); **D05B 27/00** (2006.01); **D05B 35/02** (2006.01); **D05B 73/00** (2006.01); **D05B 73/12** (2006.01)

CPC (source: EP KR)
D05B 1/00 (2013.01 - KR); **D05B 1/22** (2013.01 - EP); **D05B 35/02** (2013.01 - EP); **D05B 73/00** (2013.01 - EP); **D05B 73/12** (2013.01 - EP)

Cited by
EP0807705A3; IT202000002989A1; WO9854390A1

Designated contracting state (EPC)
AT CH DE ES FR GB GR LI NL

DOCDB simple family (publication)
EP 0494052 A1 19920708; **EP 0494052 B1 19960612**; AT E139271 T1 19960615; DE 69120238 D1 19960718; DE 69120238 T2 19961010; ES 2090290 T3 19961016; IT 1246756 B 19941126; IT 9022571 A0 19901228; IT 9022571 A1 19920629; JP H0523453 A 19930202; JP H0755269 B2 19950614; KR 920012603 A 19920727; KR 950011863 B1 19951011; TW 219382 B 19940121

DOCDB simple family (application)
EP 91830538 A 19911206; AT 91830538 T 19911206; DE 69120238 T 19911206; ES 91830538 T 19911206; IT 2257190 A 19901228; JP 33920891 A 19911224; KR 910022522 A 19911210; TW 81104532 A 19920610