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(54) Title (EN): HIGH FREQUENCY MODULE AND COMMUNICATION DEVICE

(54) Title (FR): MODULE HAUTE FRÉQUENCE ET DISPOSITIF DE COMMUNICATION

(54) Title (JA): 高周波モジュールおよび通信装置

(57) Abstract:

(EN): A high frequency module (1) according to the present invention is provided with: a switch (11) which switches the connection between a common terminal (11a) and selection terminals (11b, 11c); a reception filter (21R) which has the reception band of a band A as the passband; a transmission filter (22T) which has the transmission band of a band B as the passband, while having an output terminal that is connected to the selection terminal (11c); a filter (23) which has the transmission band of the band B as the attenuation band, while having an input terminal that is connected to the selection terminal (11c); a reception path (62) which connects the selection terminal (11c) and an input terminal of the reception filter (21R) to each other, and in which the filter (23) is arranged; a bypass path (61) which connects the selection terminal (11b) and the input terminal of the reception filter (21R) to each other, and in which a filter is not arranged; and a transmission path (63) which connects the selection terminal (11c) and a transmission terminal (130) to each other, and in which the transmission filter (22T) is arranged.

(FR): La présente invention concerne un module haute fréquence (1) comprenant : un commutateur (11) qui commute la connexion entre une borne commune (11a) et des bornes de sélection (11b, 11c); un filtre de réception (21R) qui a la bande de réception d'une bande A comme bande passante; un filtre de transmission (22T) qui a la bande de transmission d'une bande B comme bande passante, tout en ayant une borne de sortie qui est connectée à la borne de sélection (11c); un filtre (23) qui a la bande de transmission de la bande B en tant que bande d'atténuation, tout en ayant une borne d'entrée qui est connectée à la borne

de sélection (11c); un trajet de réception (62) qui connecte la borne de sélection (11c) et une borne d'entrée du filtre de réception (21R) l'un à l'autre, et dans lequel le filtre (23) est agencé; un trajet de dérivation (61) qui relie la borne de sélection (11b) et la borne d'entrée du filtre de réception (21R) l'un par rapport à l'autre, et dans lequel un filtre n'est pas agencé; et un trajet de transmission (63) qui relie la borne de sélection (11c) et une borne de transmission (130) l'un à l'autre, et dans lequel le filtre de transmission (22T) est agencé.

(JA): 高周波モジュール(1)は、共通端子(11a)と選択端子(11bおよび11c)との接続を切り替えるスイッチ(11)と、バンドAの受信帯域を通過帯域とする受信フィルタ(21R)と、バンドBの送信帯域を通過帯域とし、出力端子が選択端子(11c)に接続された送信フィルタ(22T)と、バンドBの送信帯域を減衰帯域とし、入力端子が選択端子(11c)に接続されたフィルタ(23)と、選択端子(11c)と受信フィルタ(21R)の入力端子とを結び、フィルタ(23)が配置された受信経路(62)と、選択端子(11b)と受信フィルタ(21R)の入力端子とを結び、フィルタが配置されないバイパス経路(61)と、選択端子(11c)と送信端子(130)とを結び、送信フィルタ(22T)が配置された送信経路(63)とを備える。

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